

Fig. 1

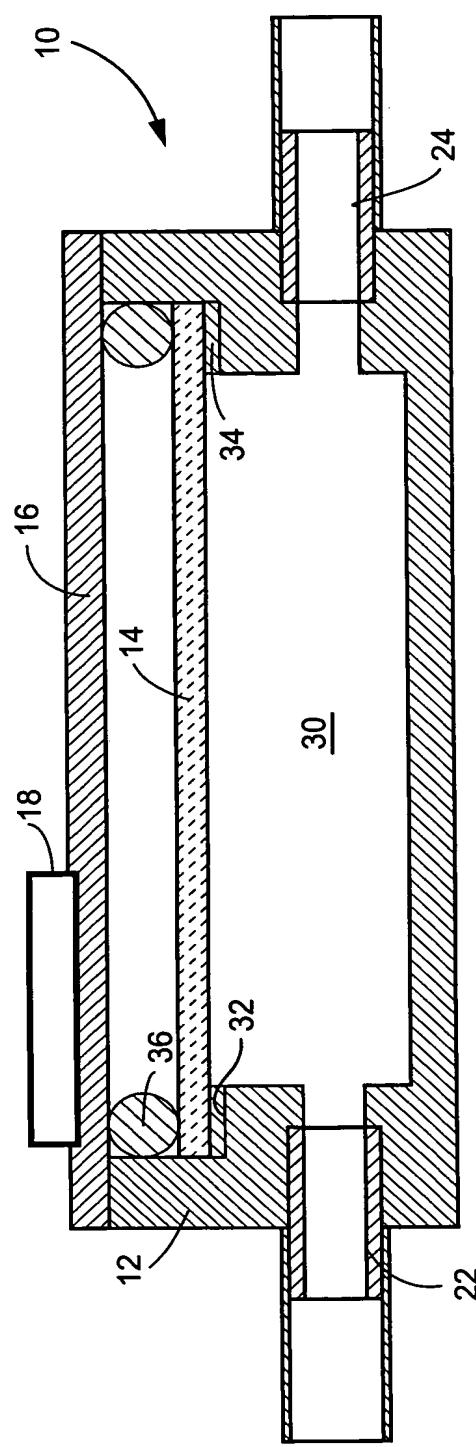


Fig. 2

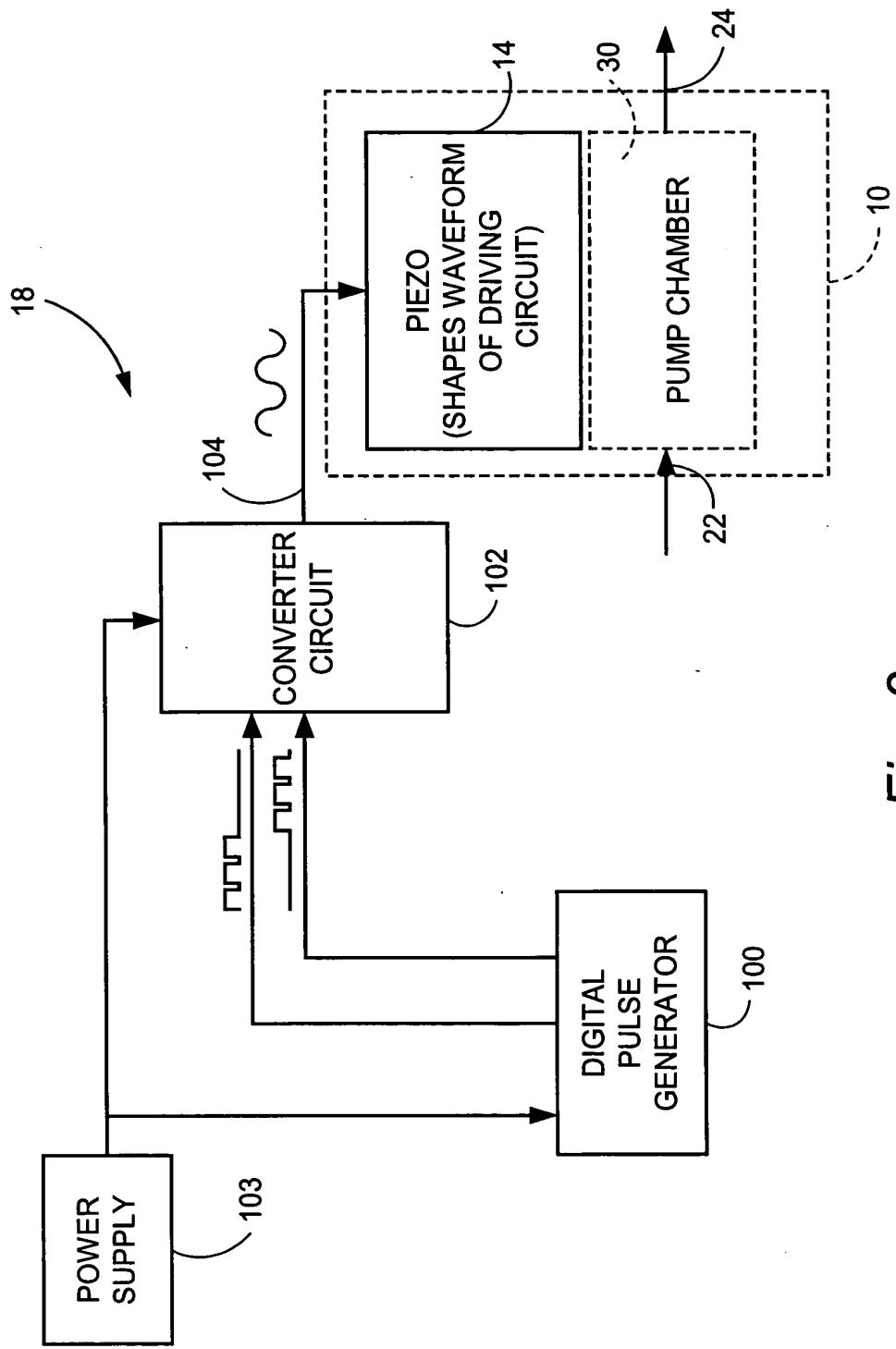


Fig. 3

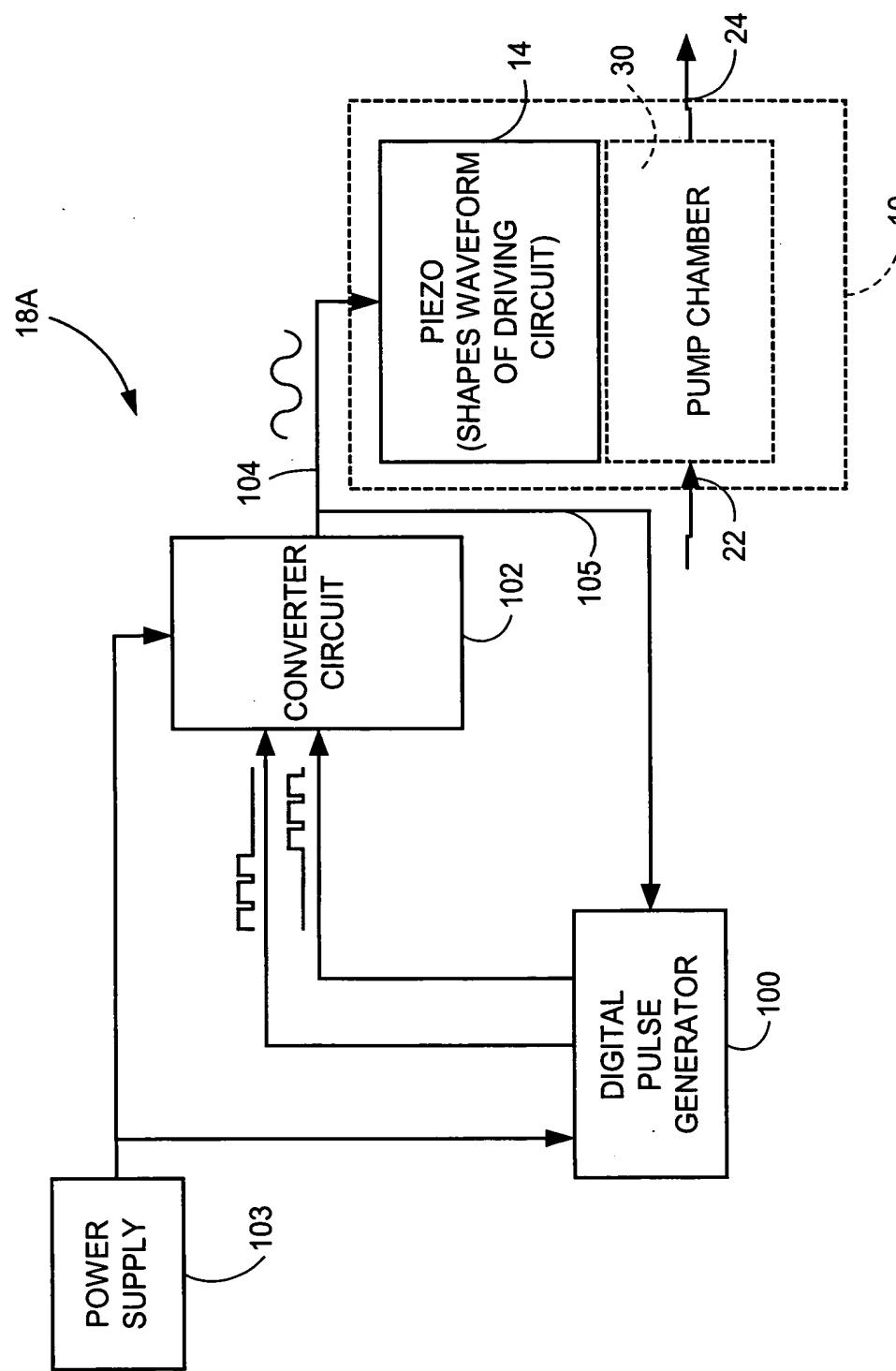


Fig. 3A

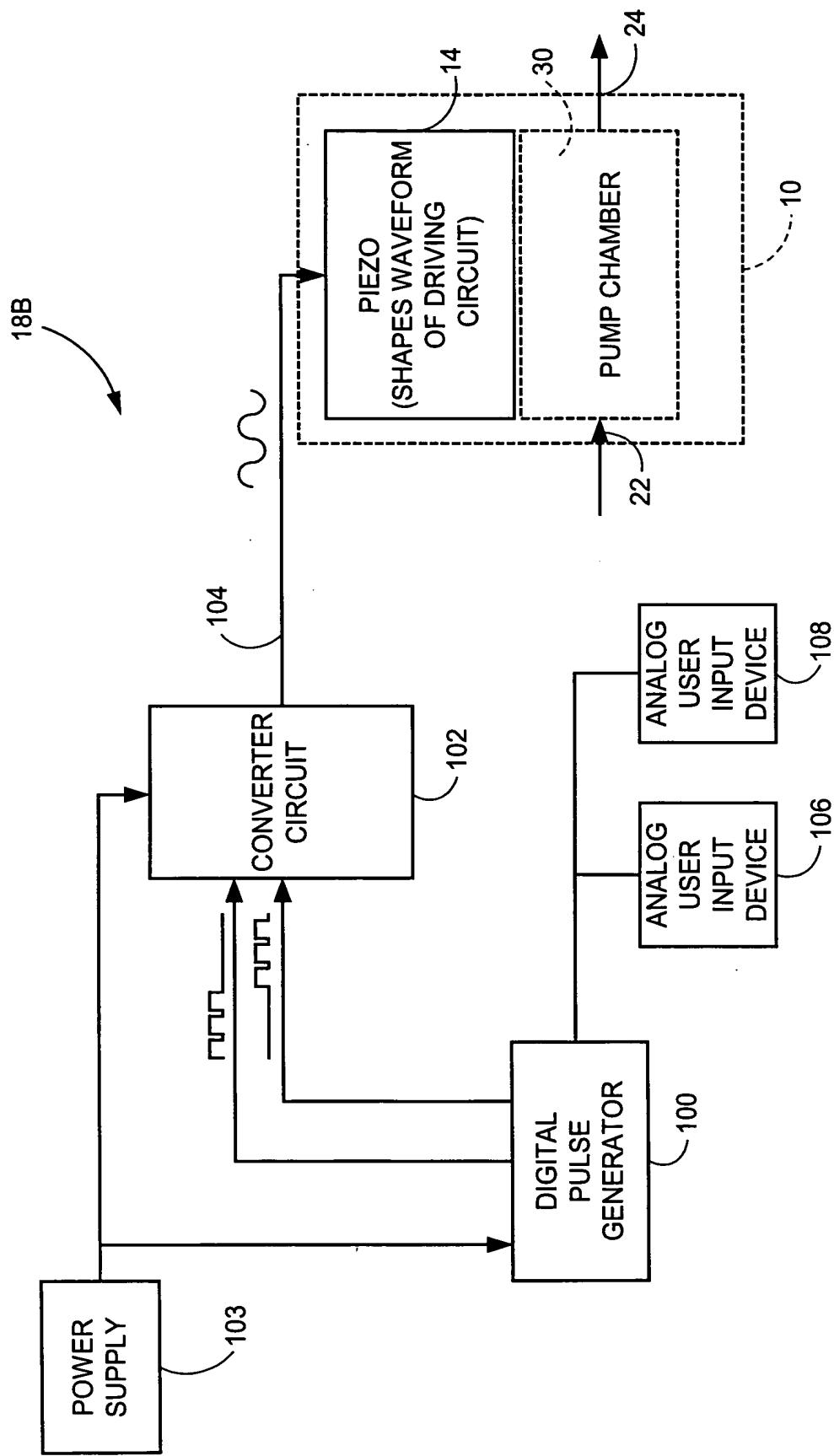


Fig. 3B

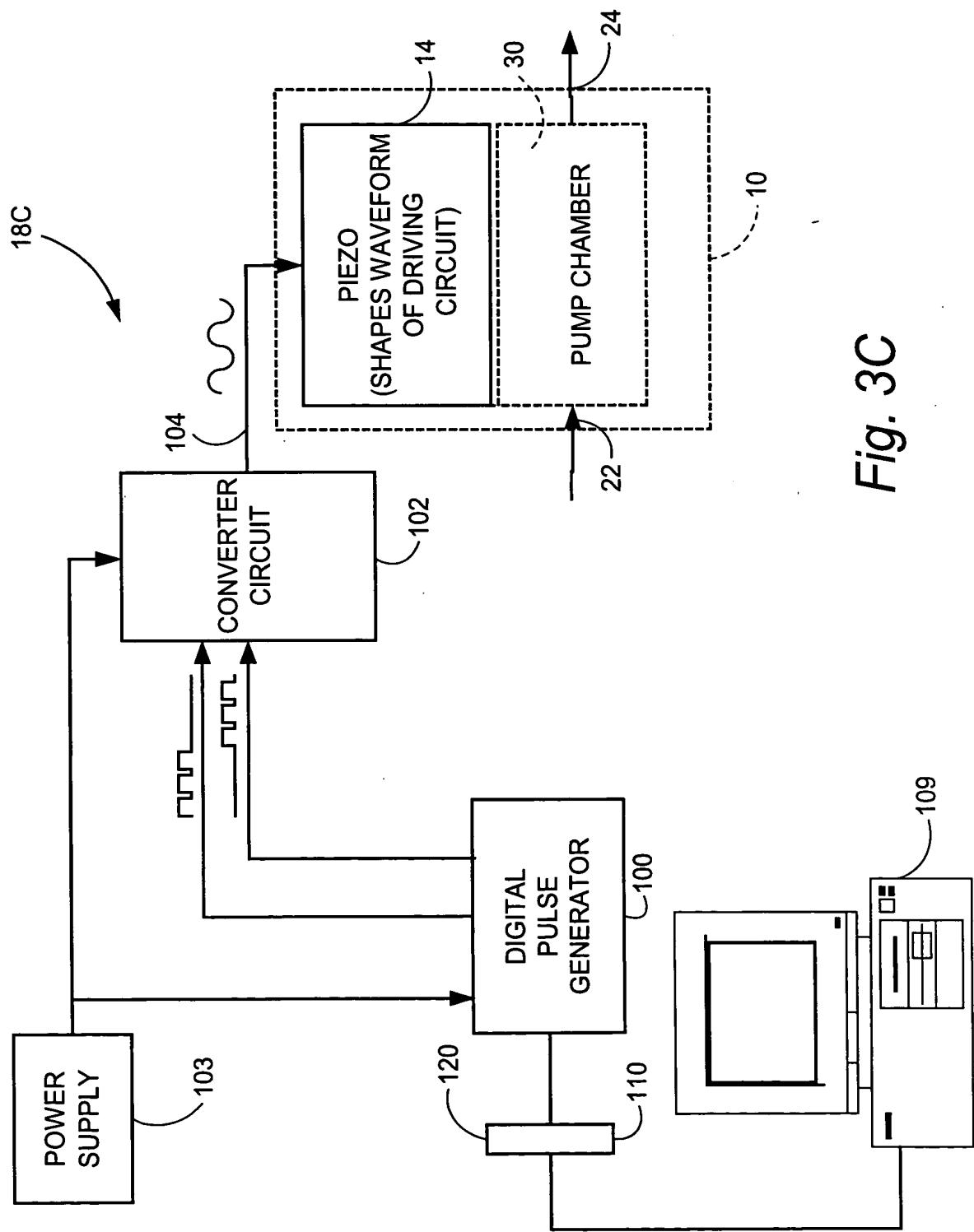


Fig. 3C

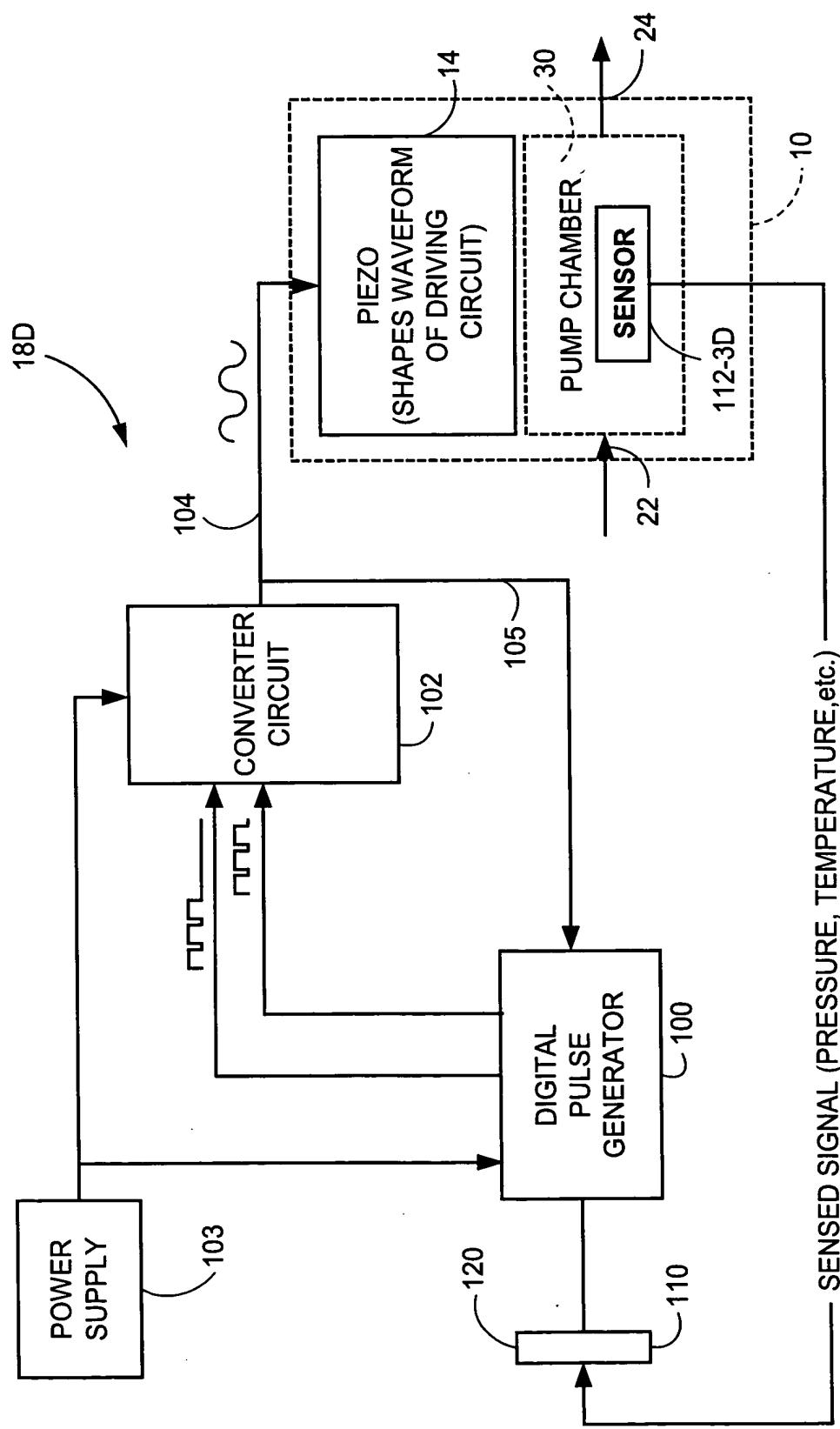


Fig. 3D

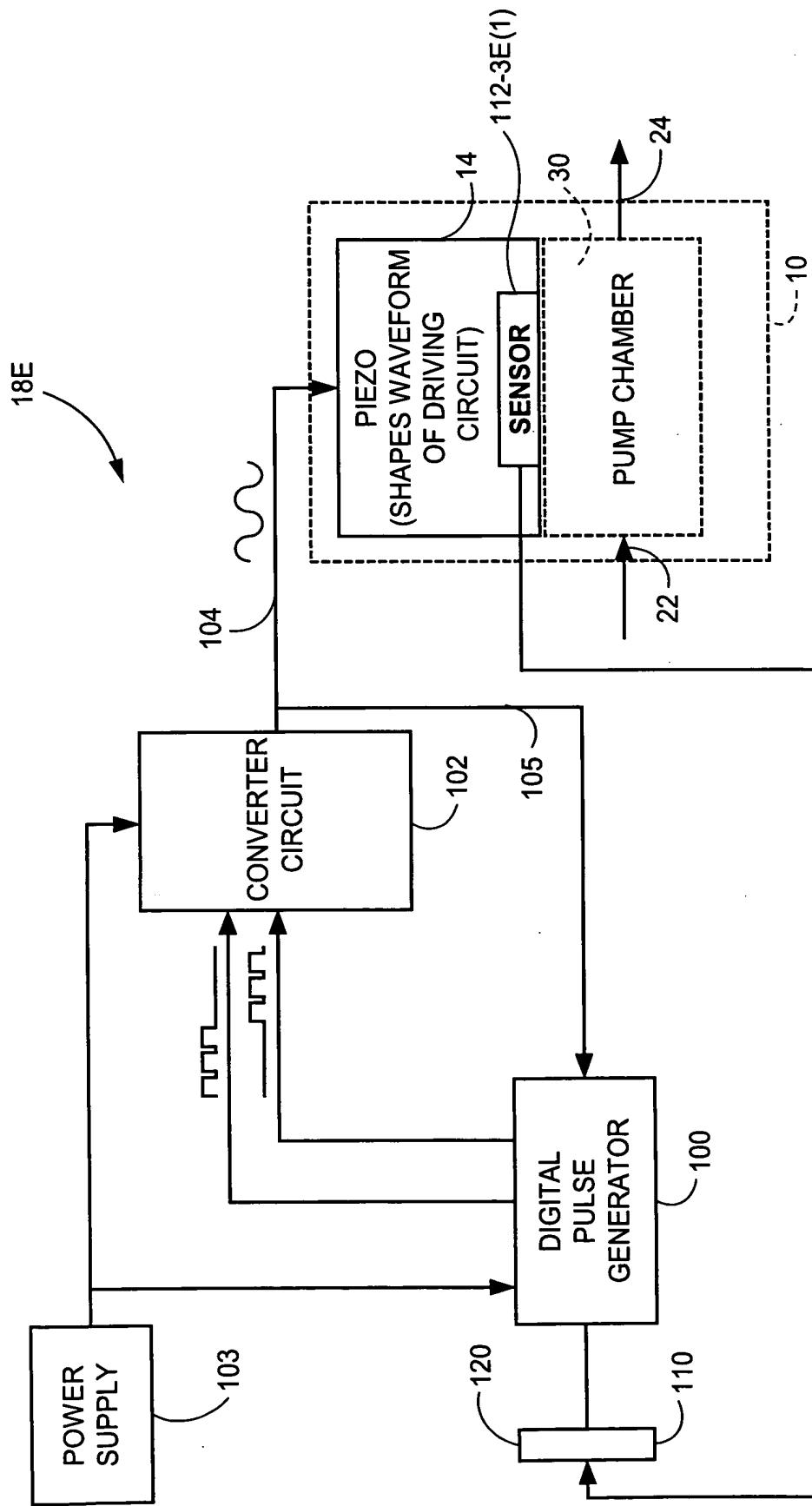


Fig. 3E(1)

## SENSED SIGNAL (PRESSURE, TEMPERATURE, etc.)

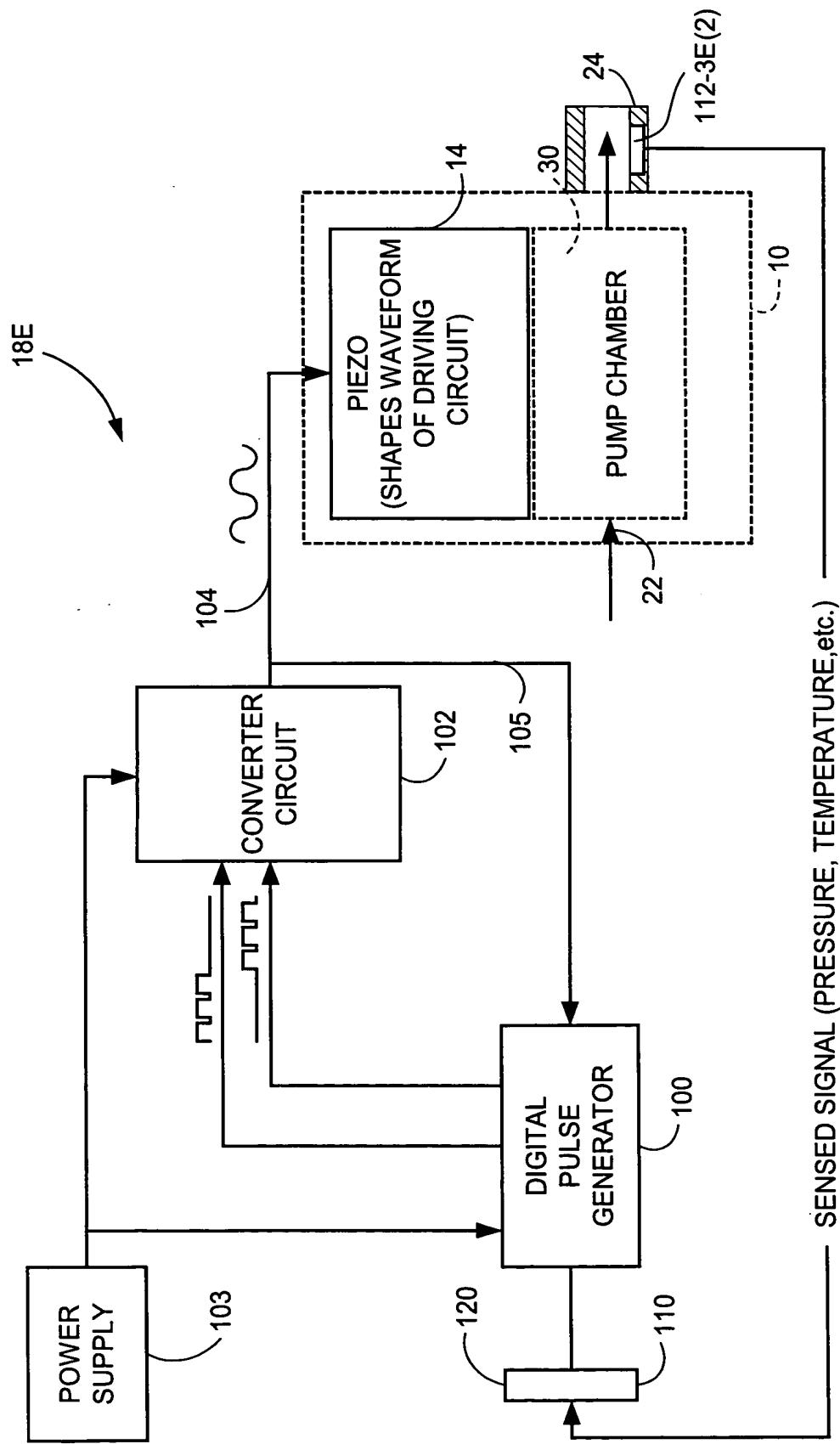


Fig. 3E(2)

SENSED SIGNAL (PRESSURE, TEMPERATURE, etc.)

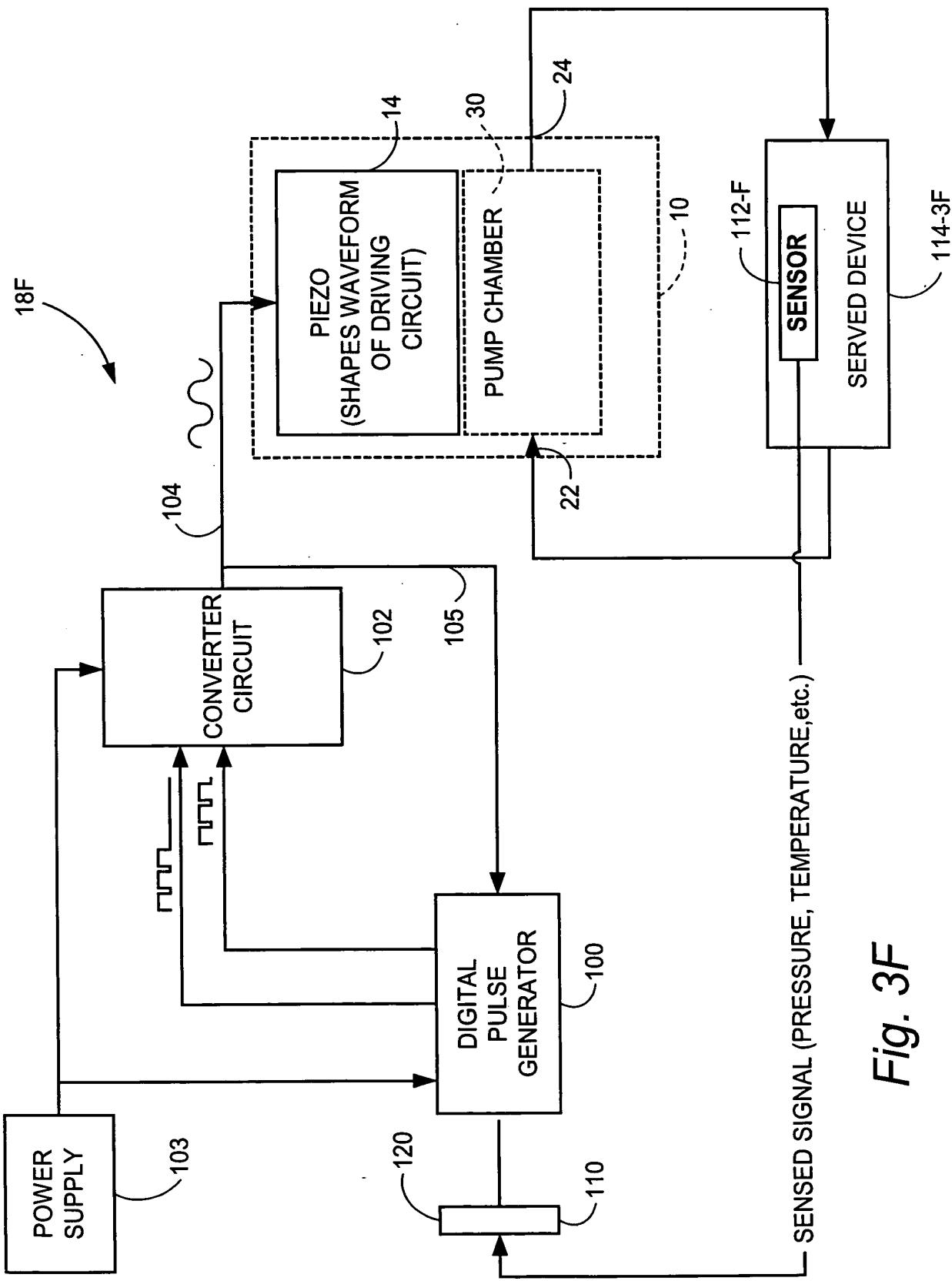


Fig. 3F

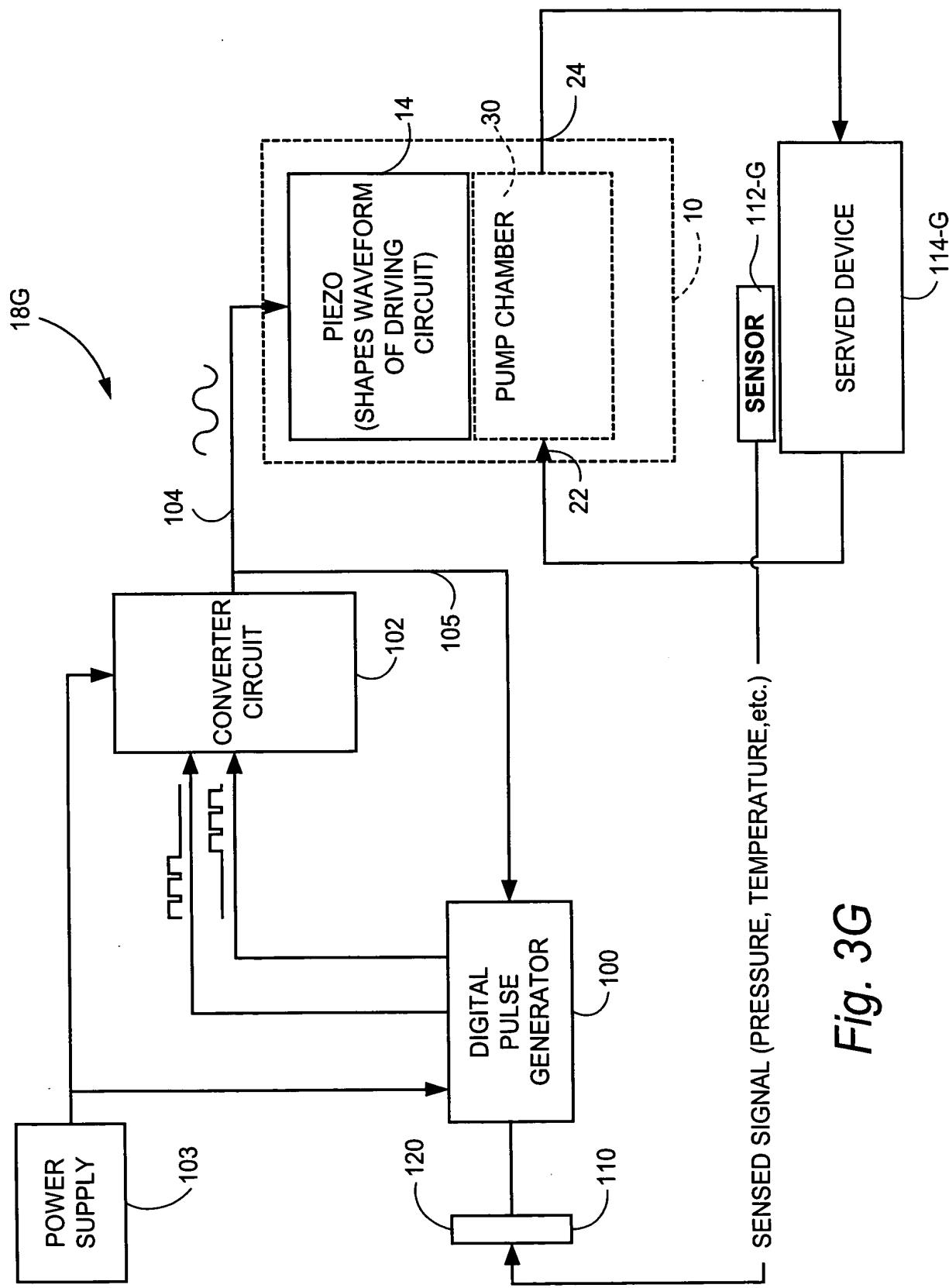


Fig. 3G

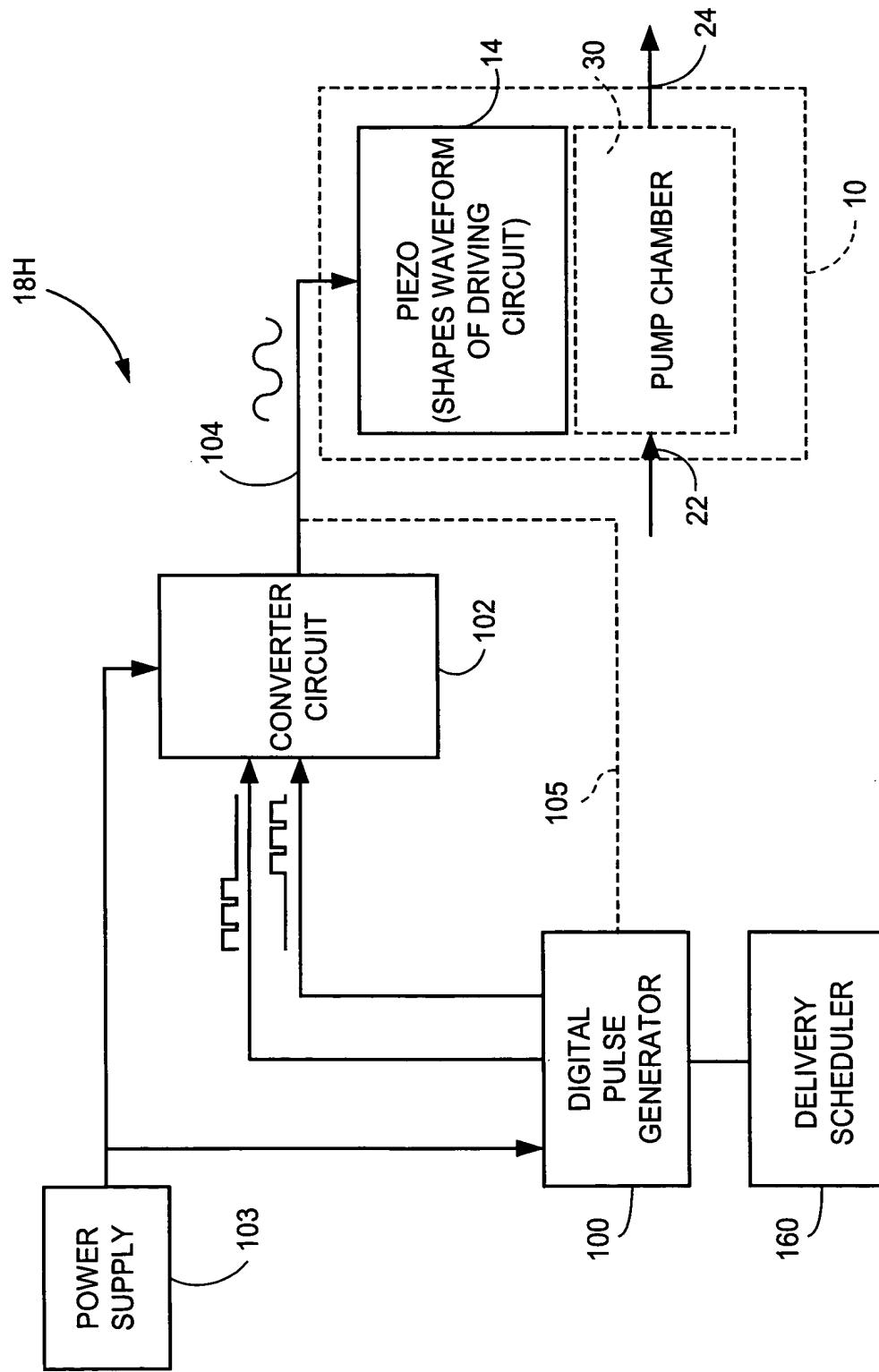


Fig. 3H(1)

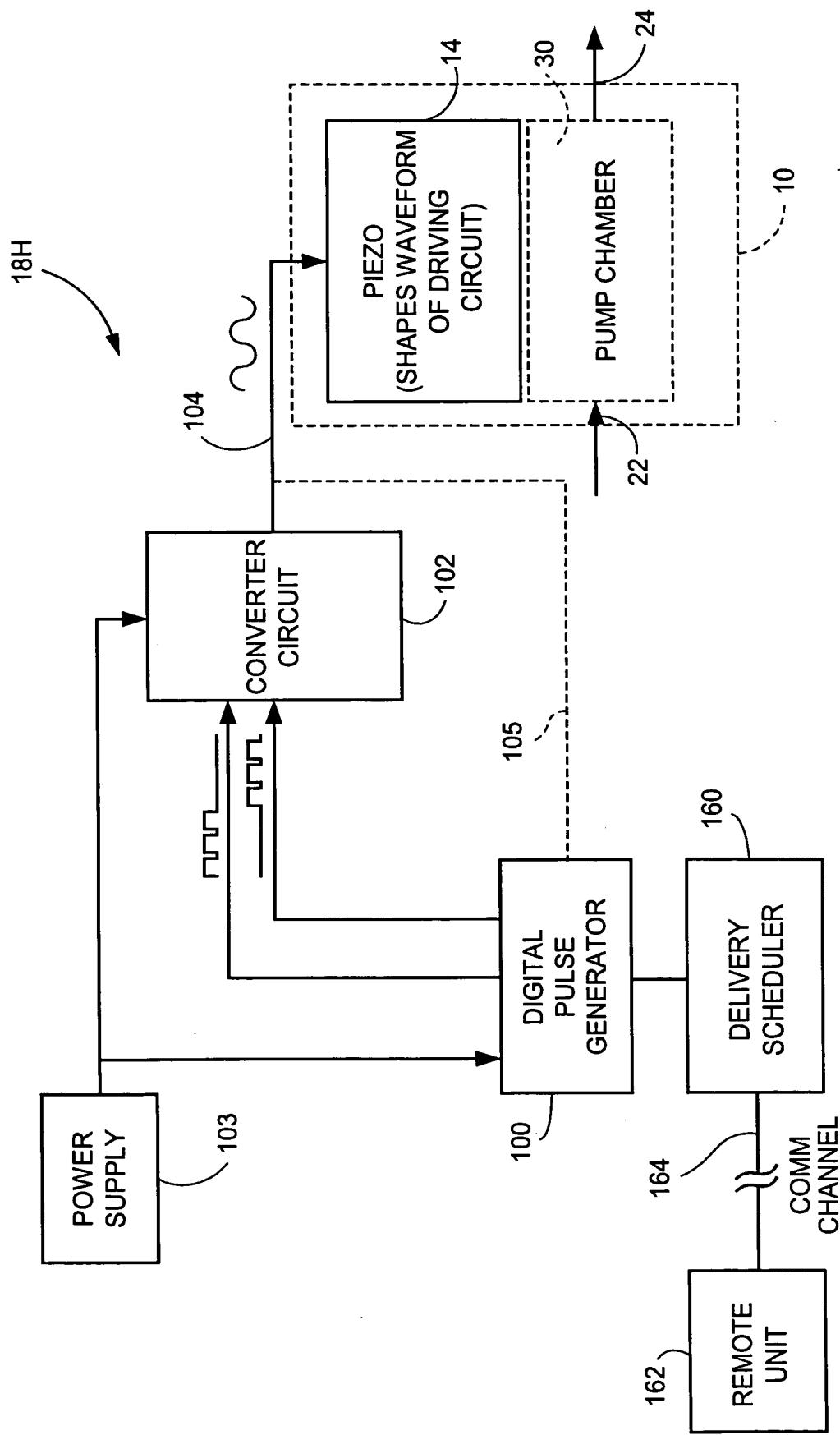


Fig. 3H(2)

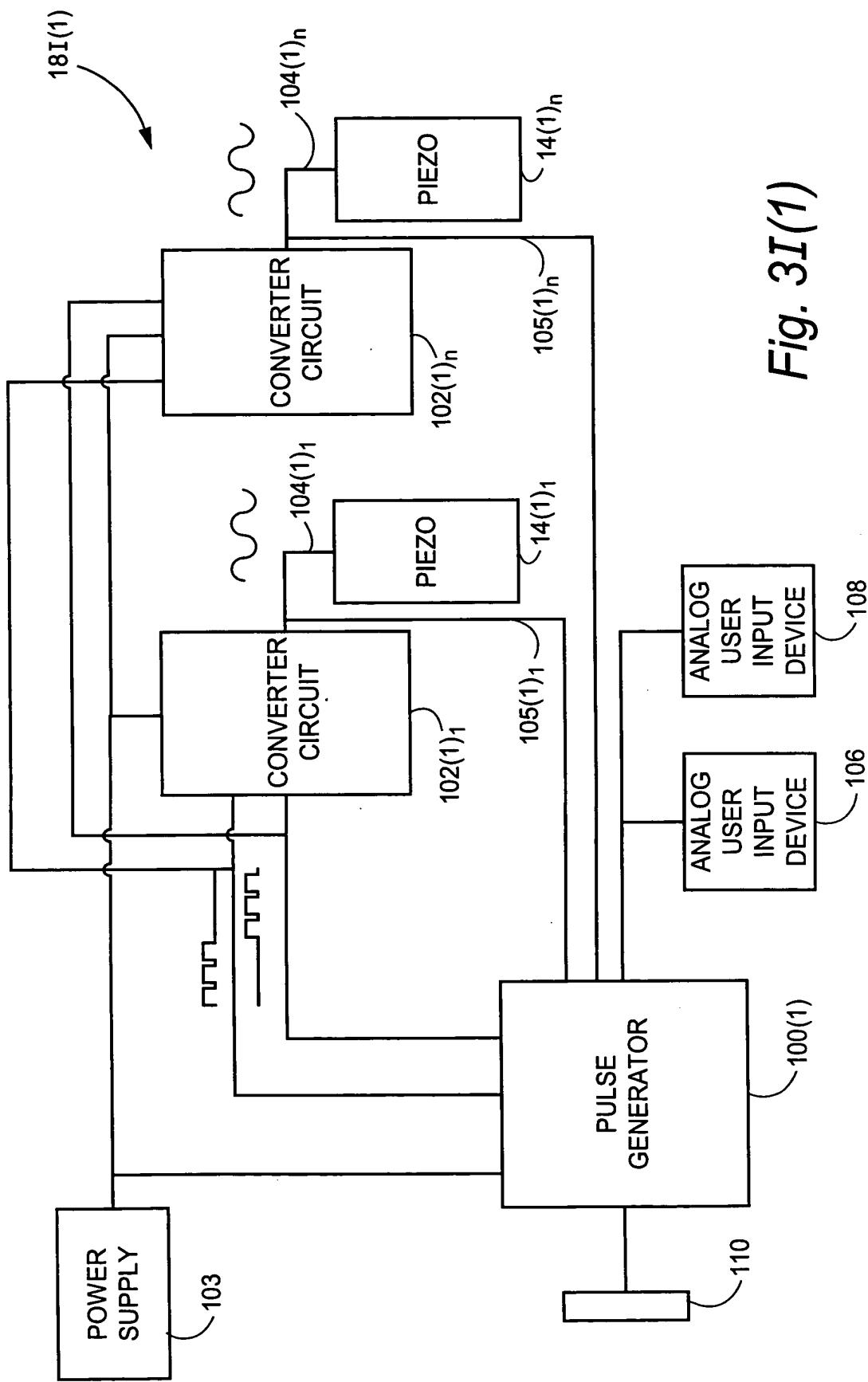


Fig. 3I(1)

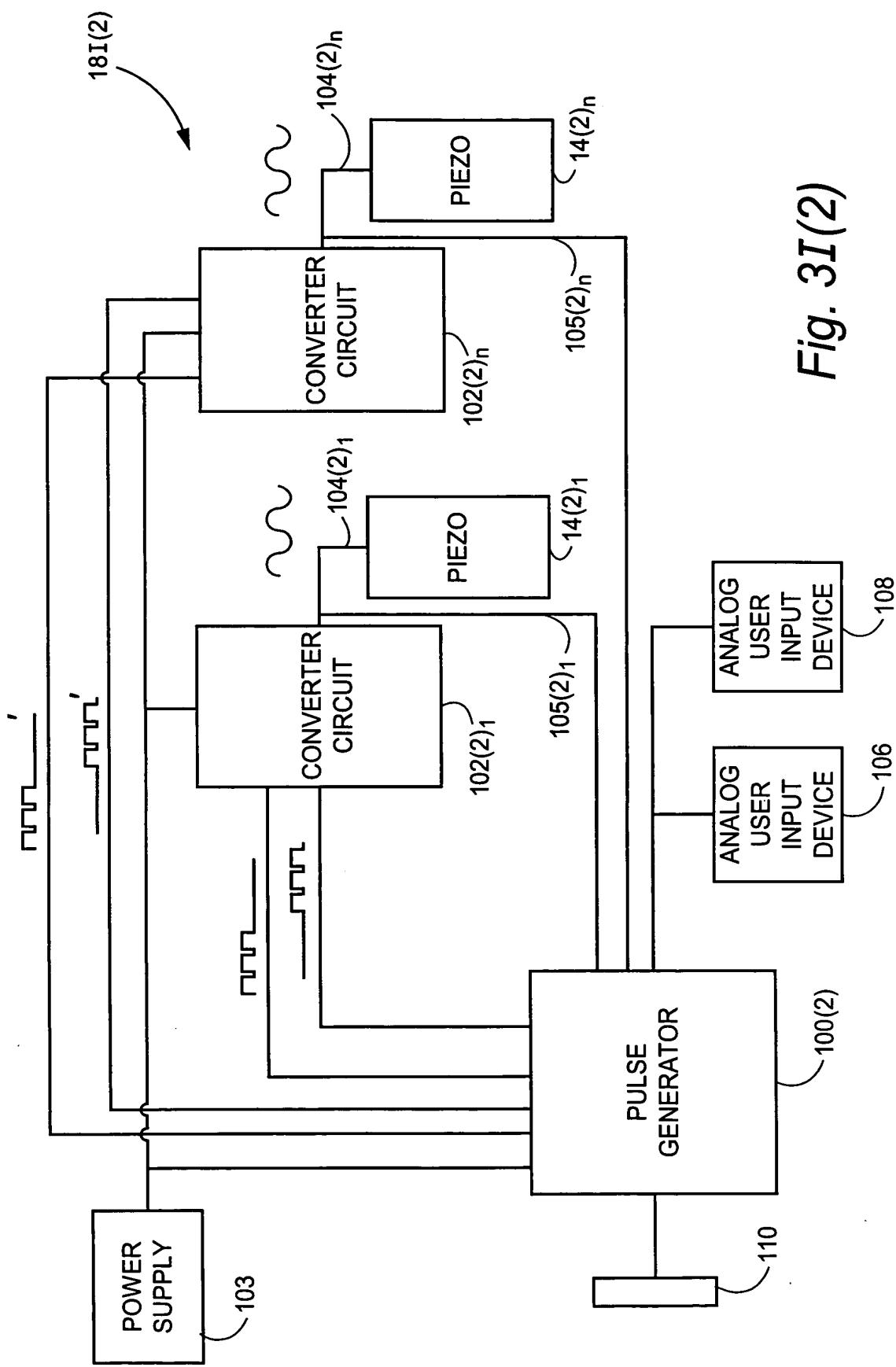


Fig. 3I(2)

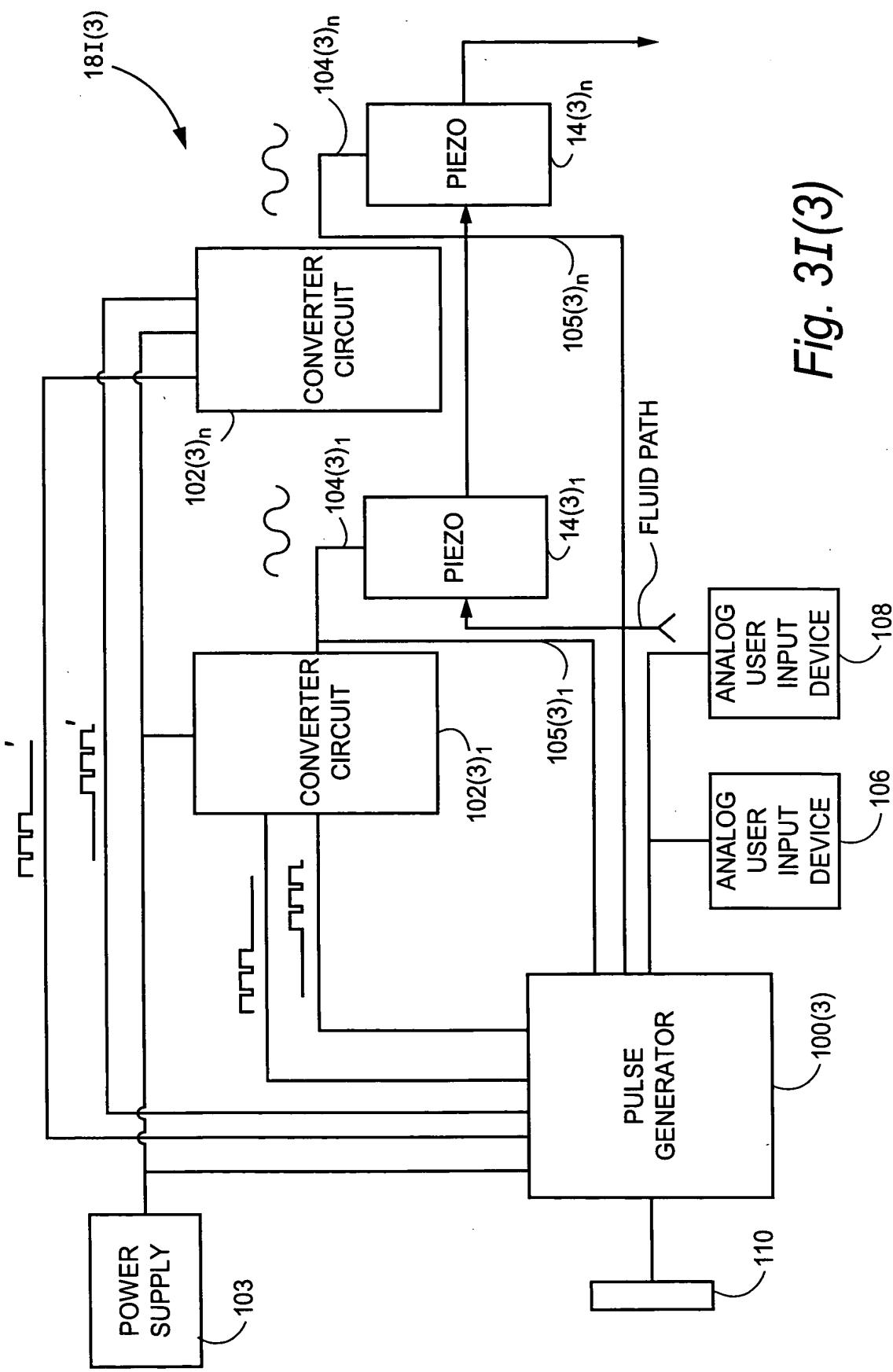
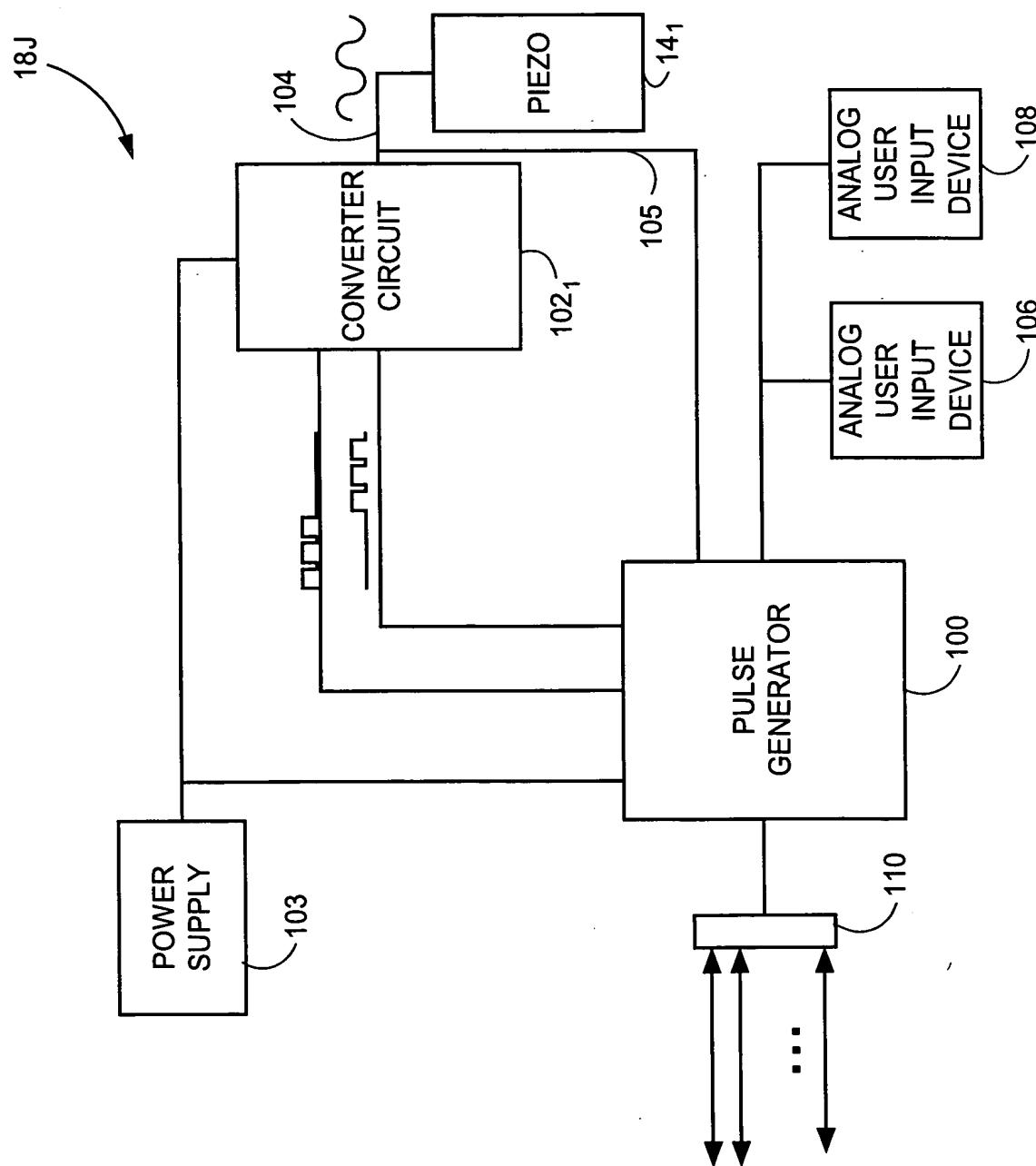


Fig. 3J



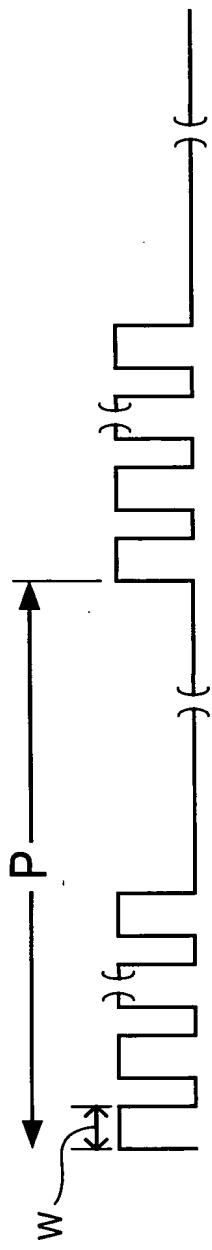


Fig. 4A

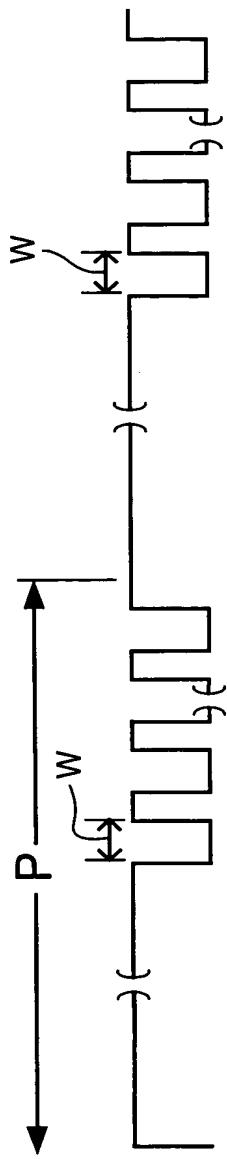


Fig. 4B

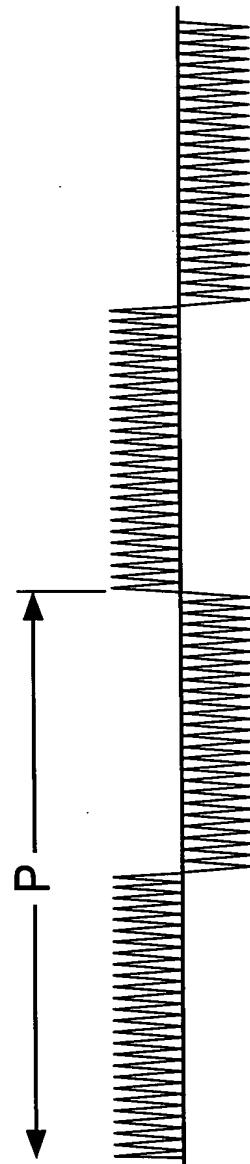


Fig. 4C

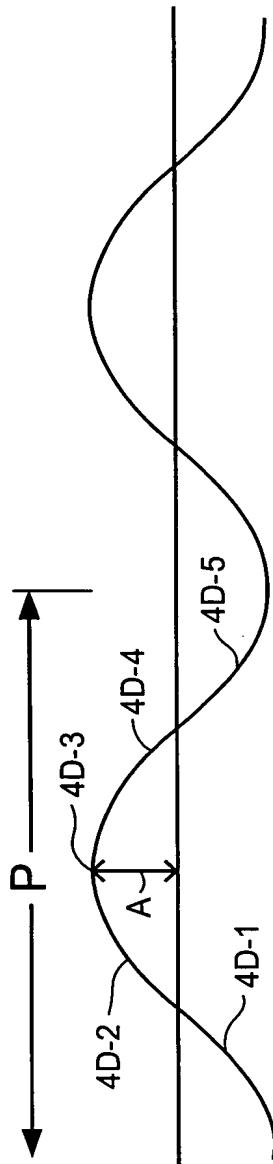


Fig. 4D

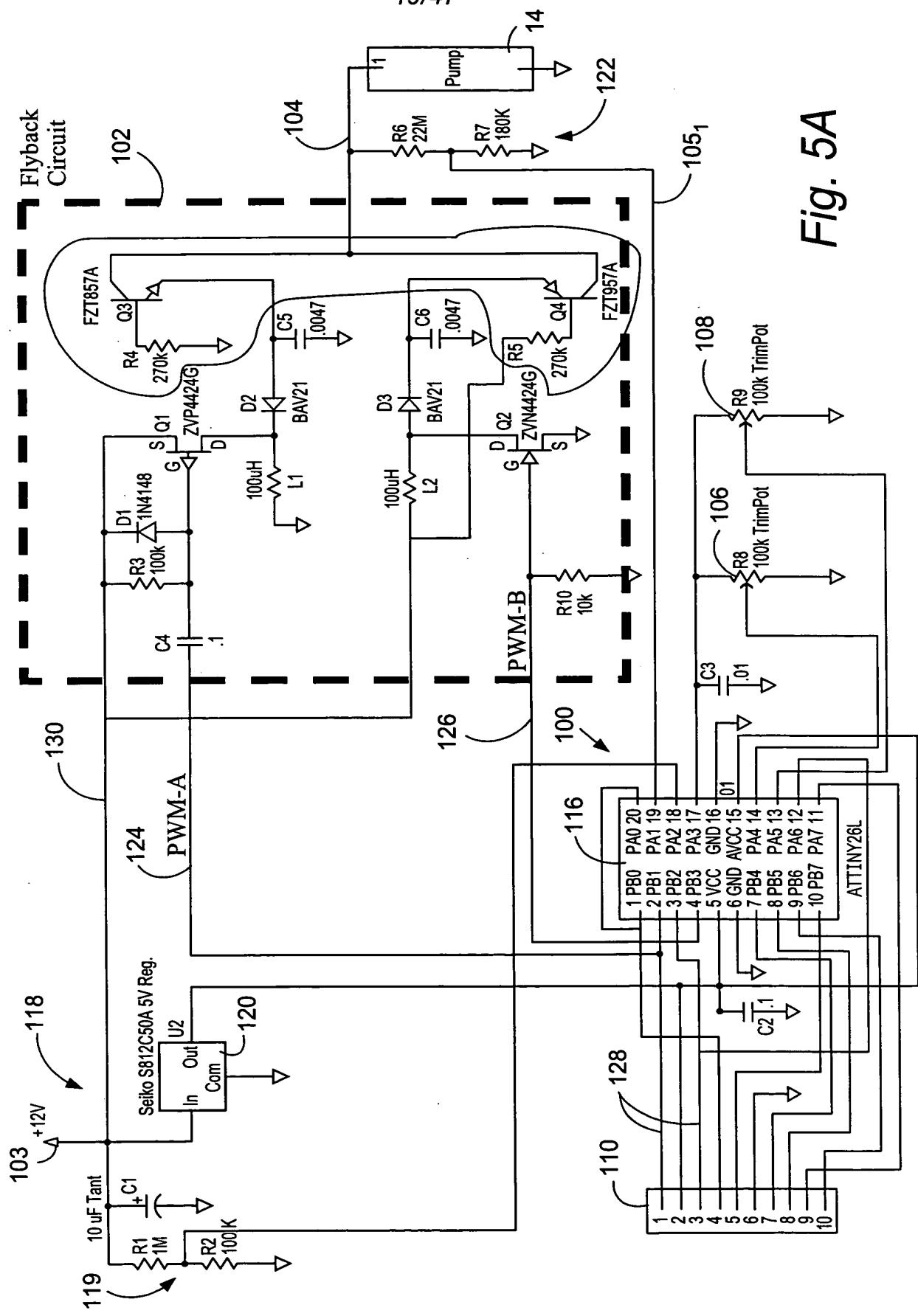


Fig. 5A

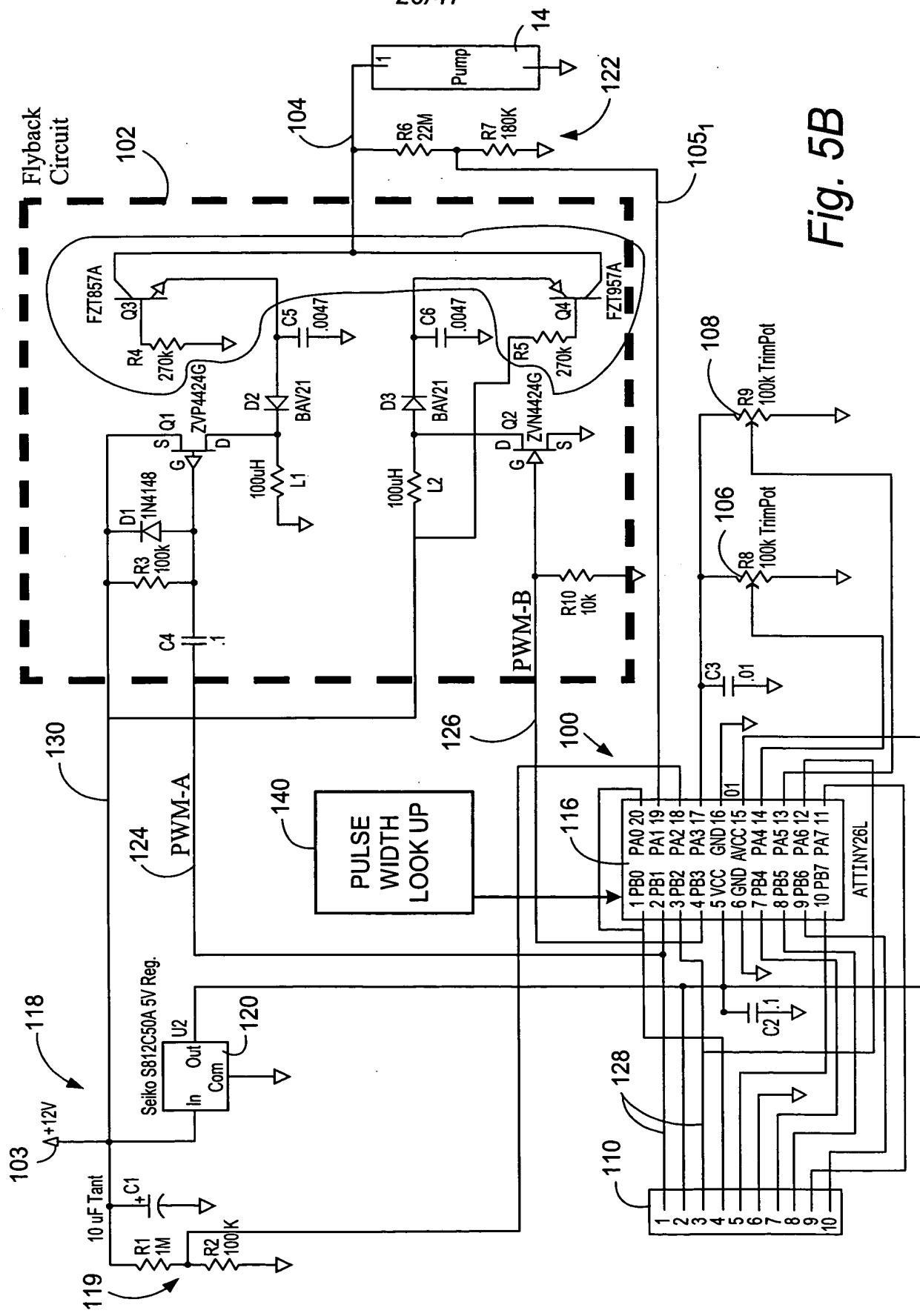


Fig. 5B

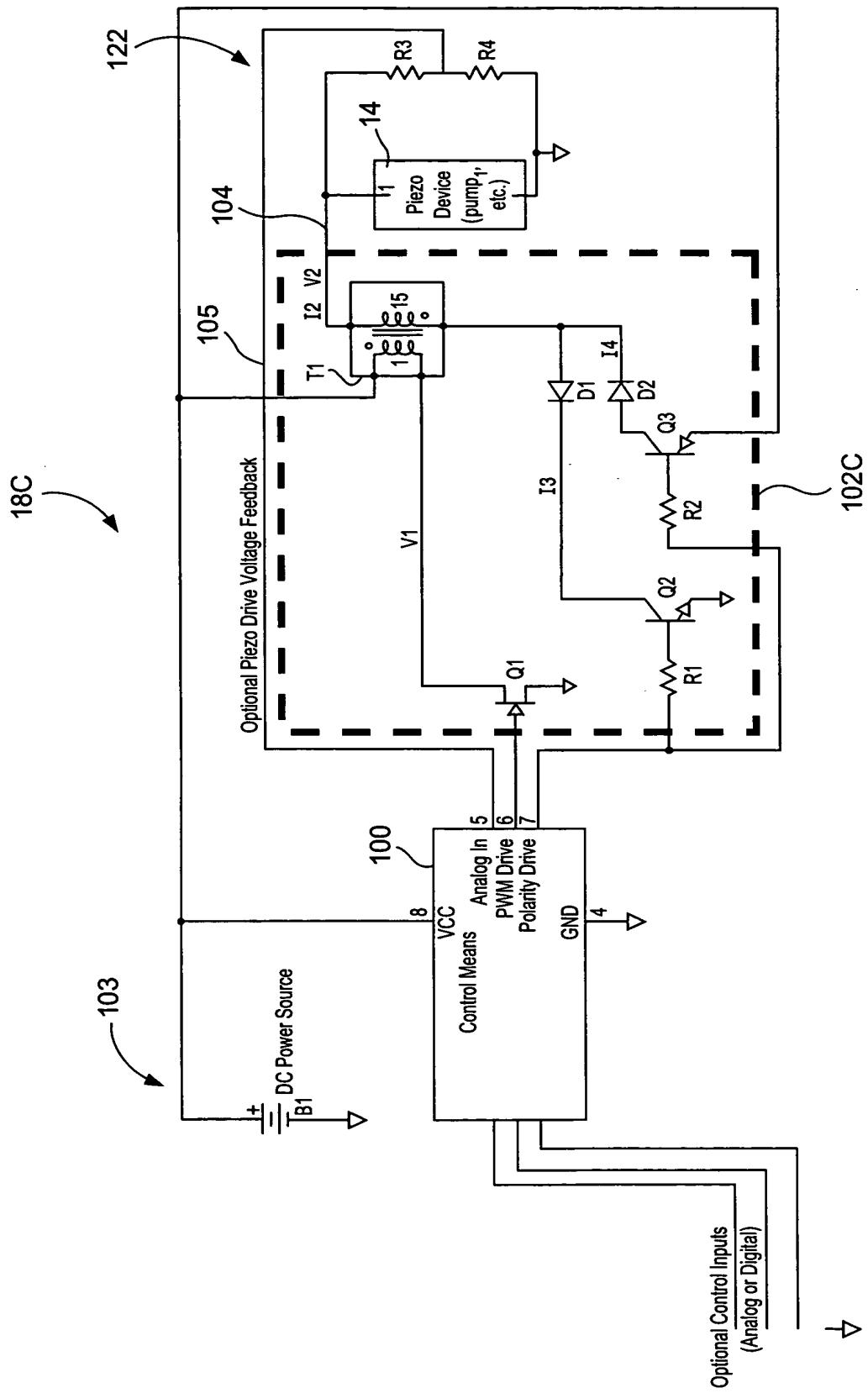


Fig. 5C

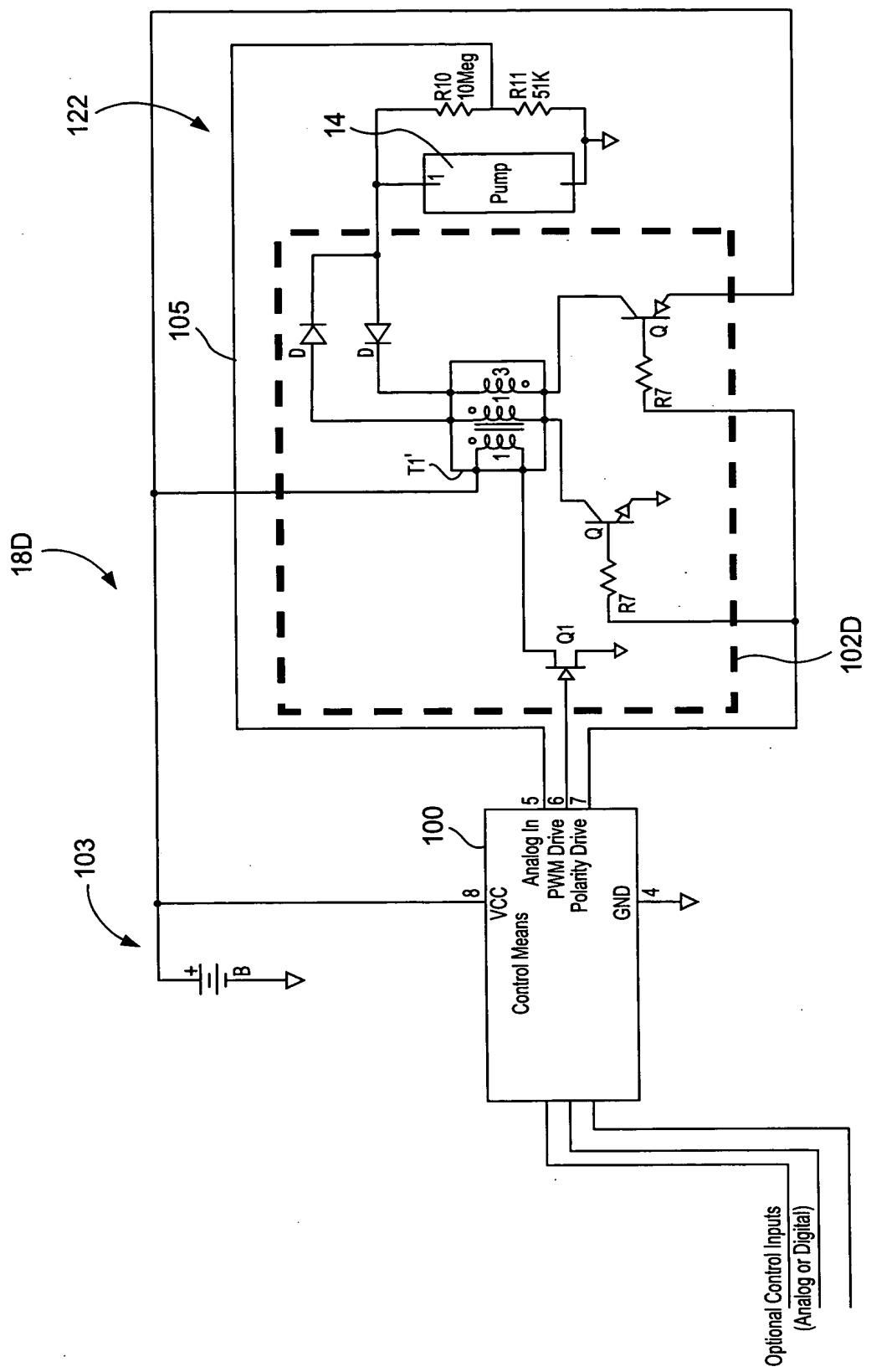


Fig. 5D

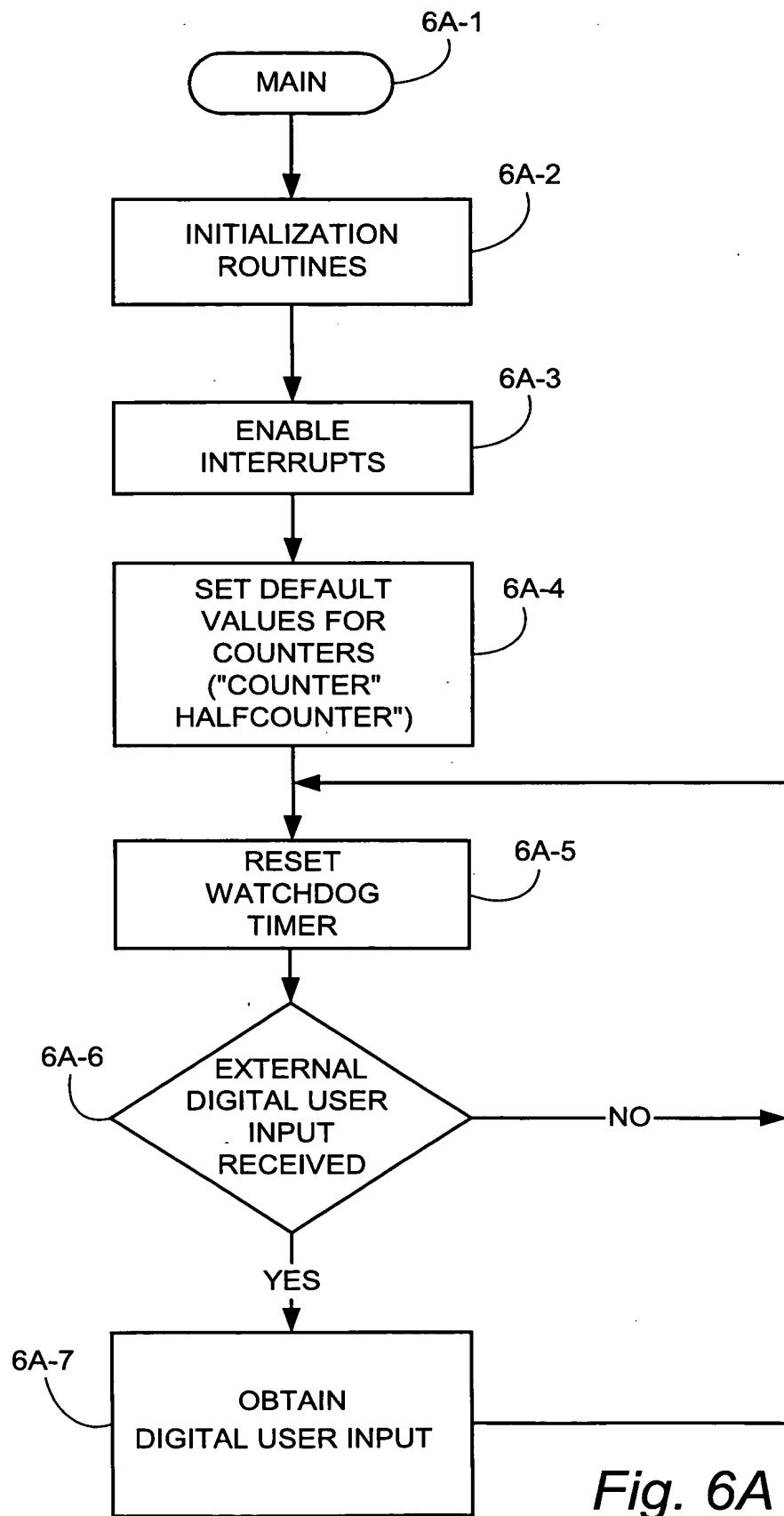


Fig. 6A

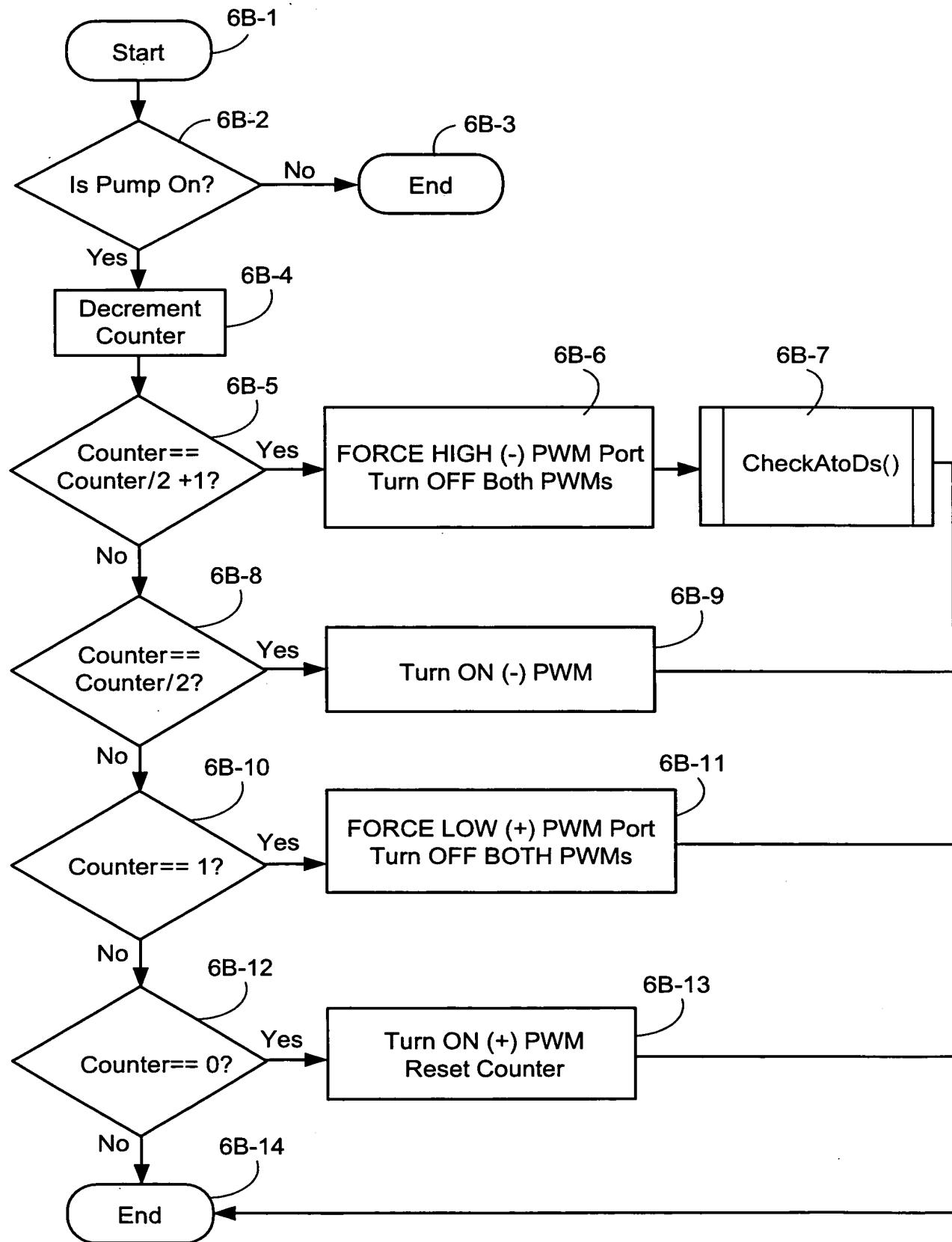


Fig. 6B

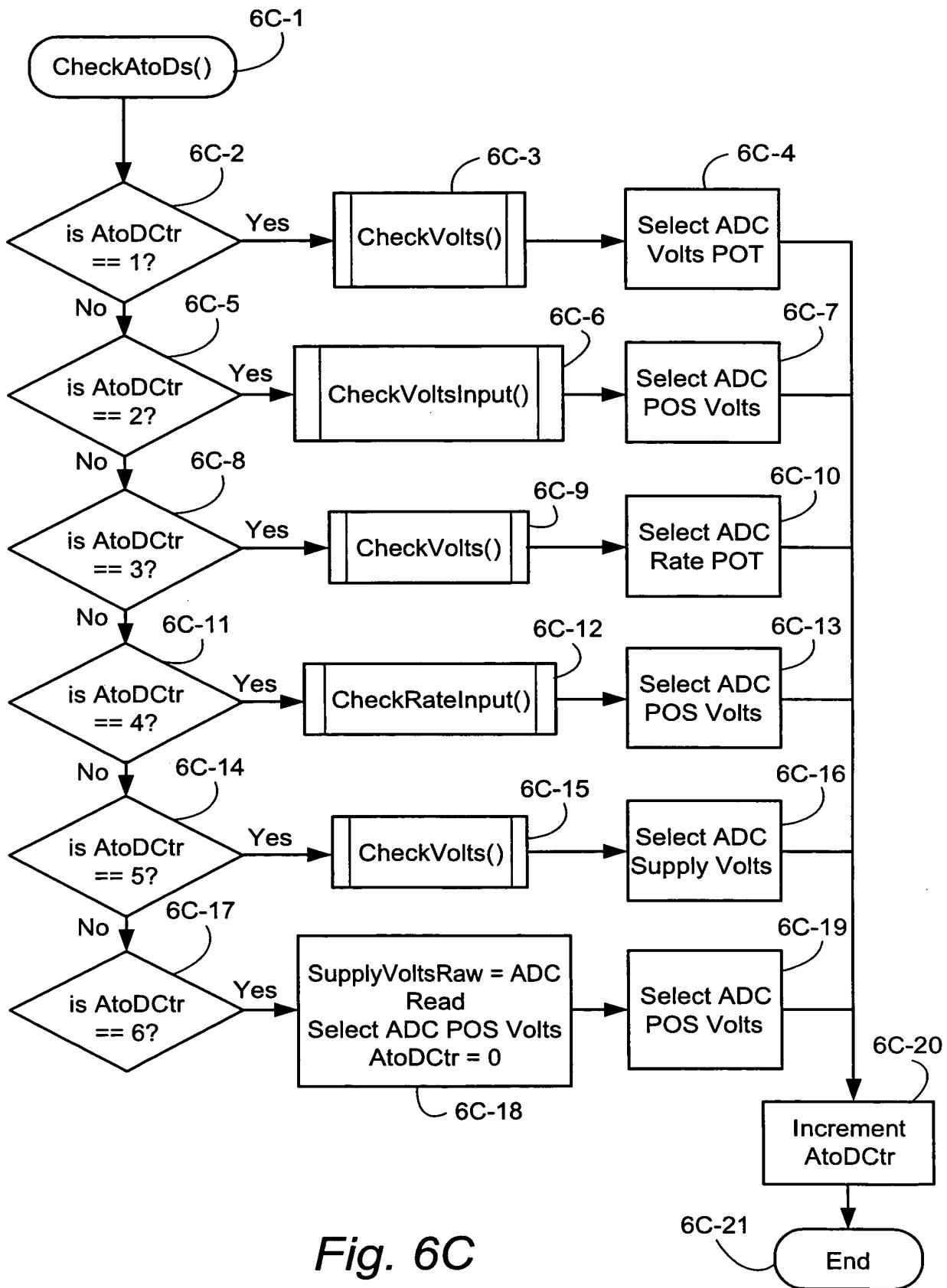


Fig. 6C

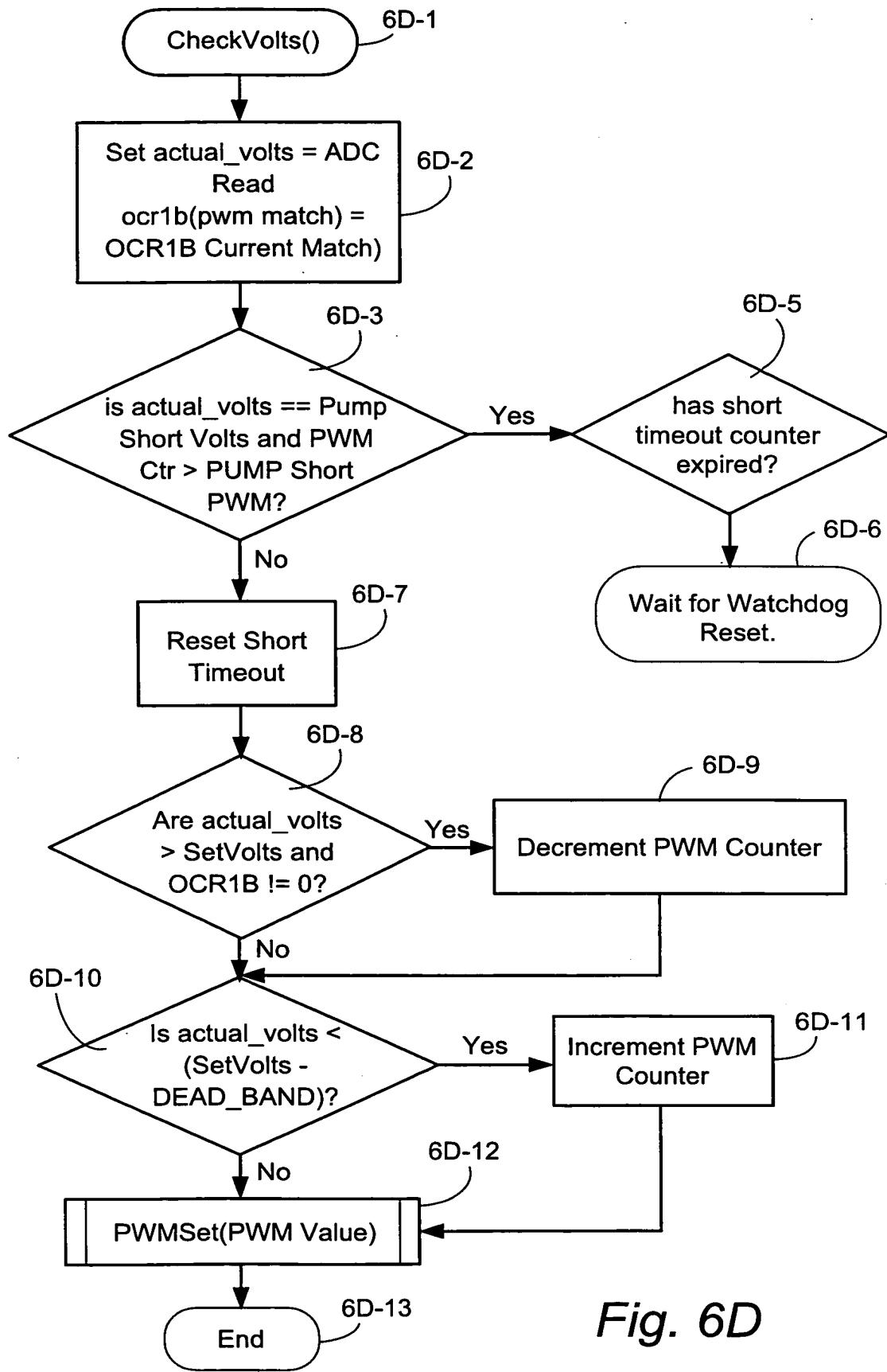


Fig. 6D

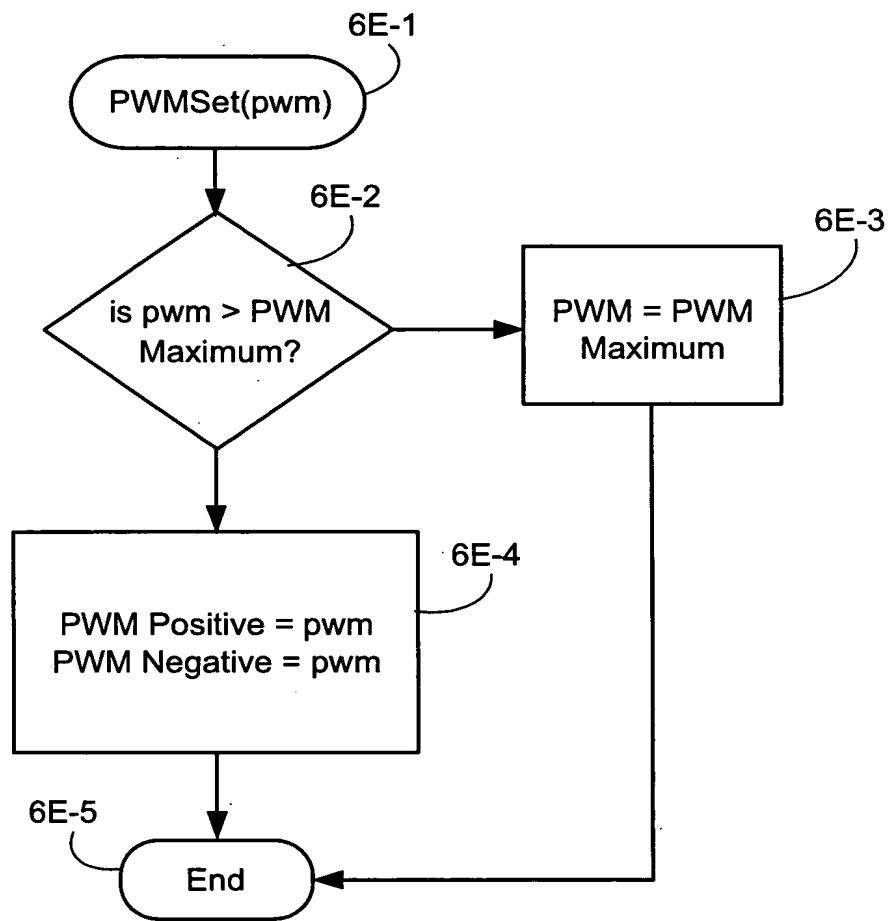


Fig. 6E

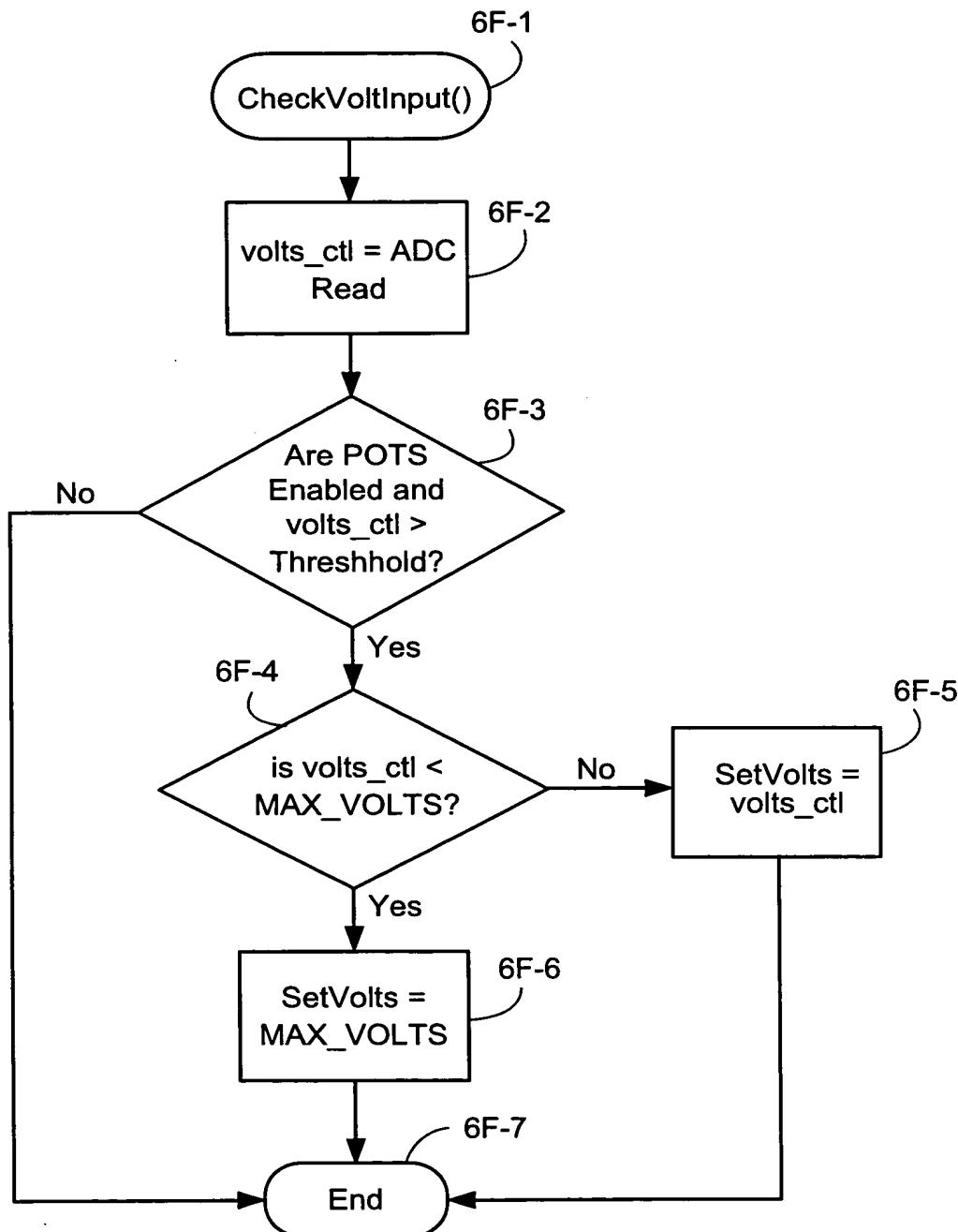


Fig. 6F

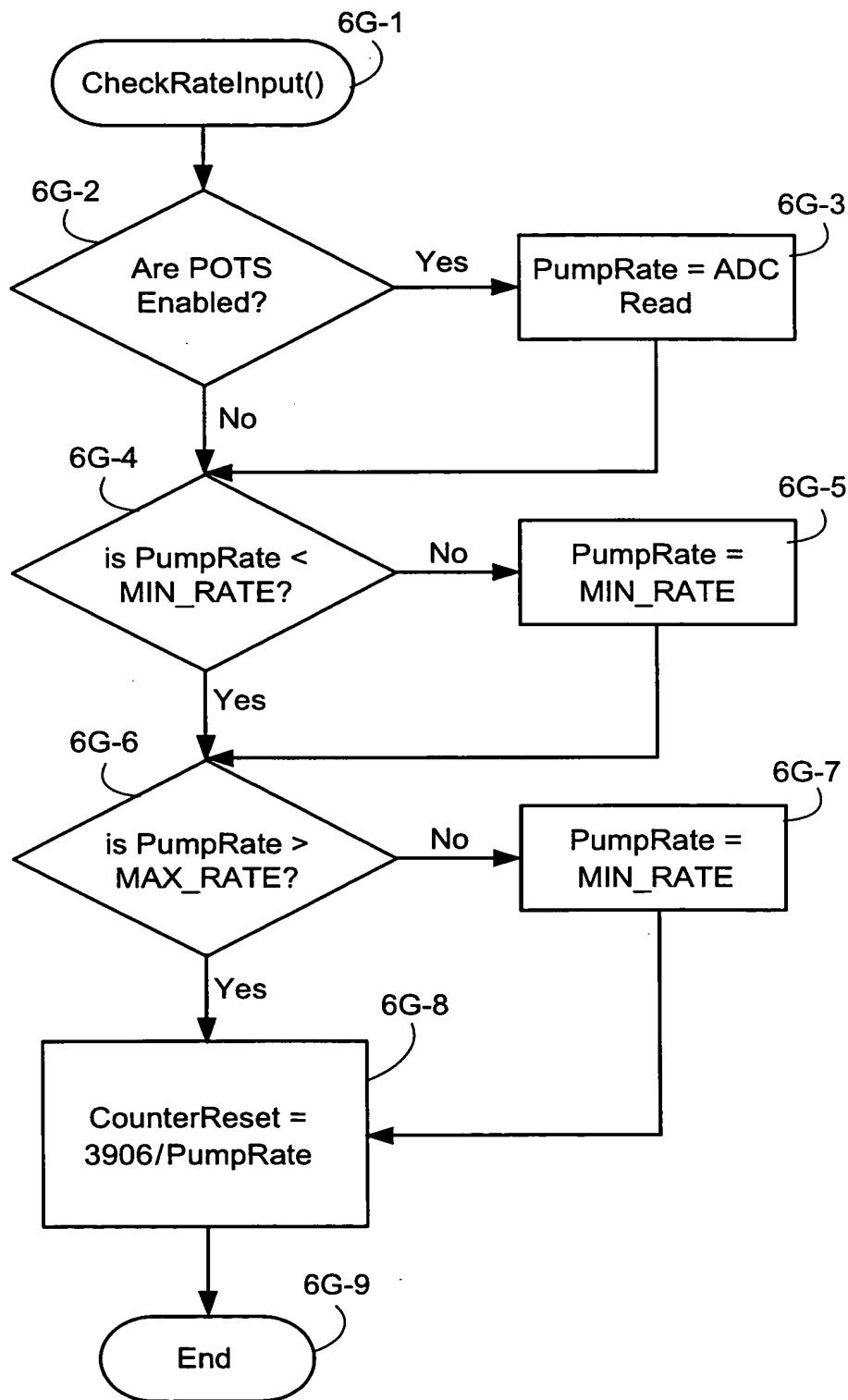


Fig. 6G

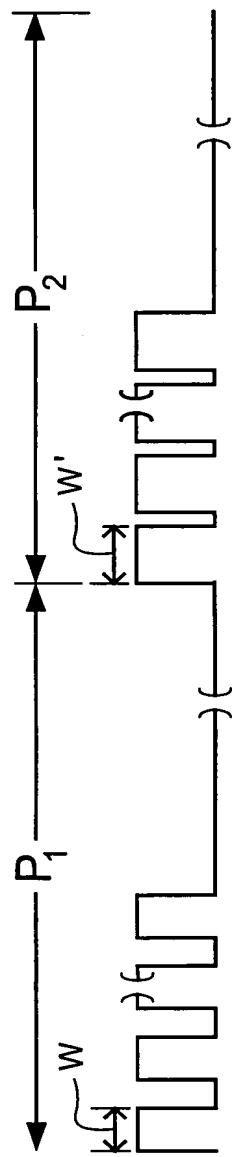


Fig. 7A

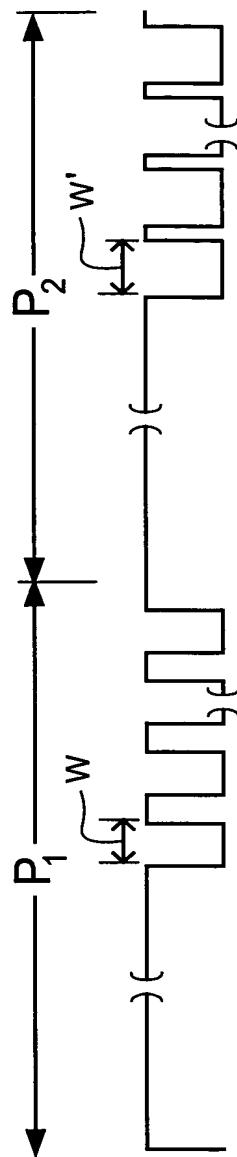


Fig. 7B

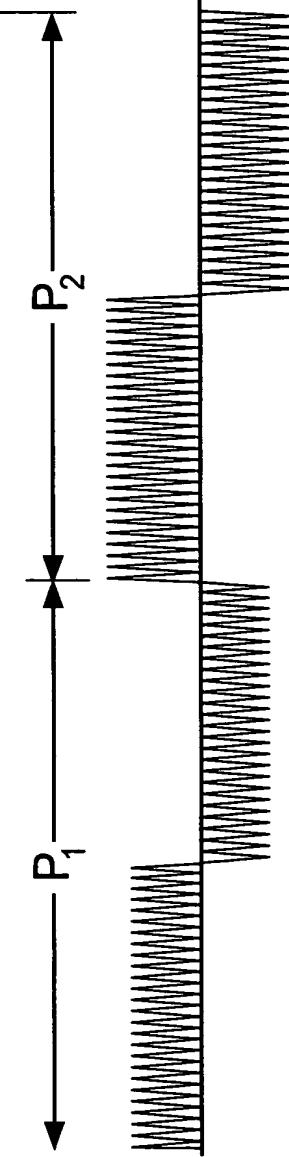


Fig. 7C

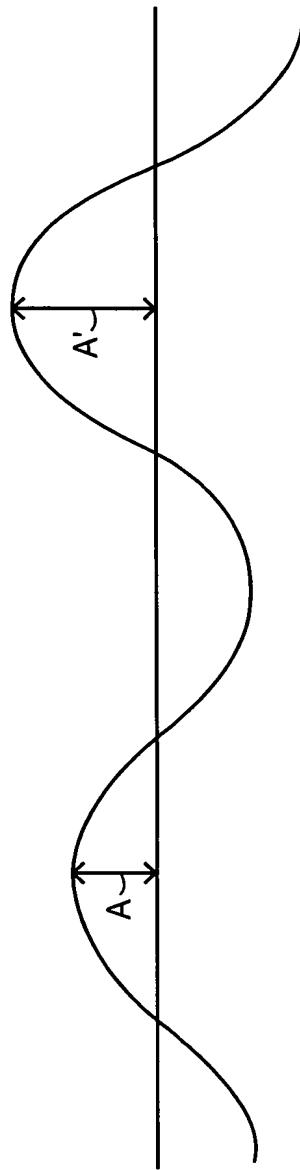


Fig. 7D

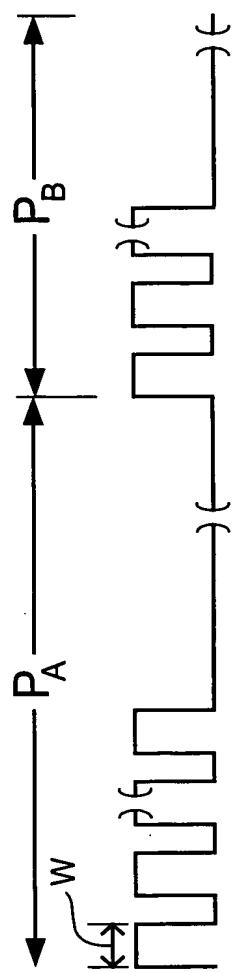


Fig. 8A

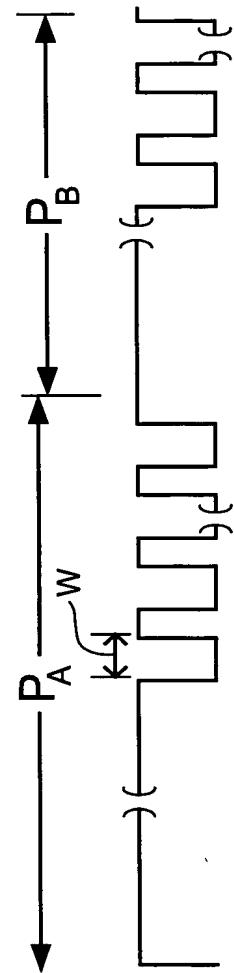


Fig. 8B

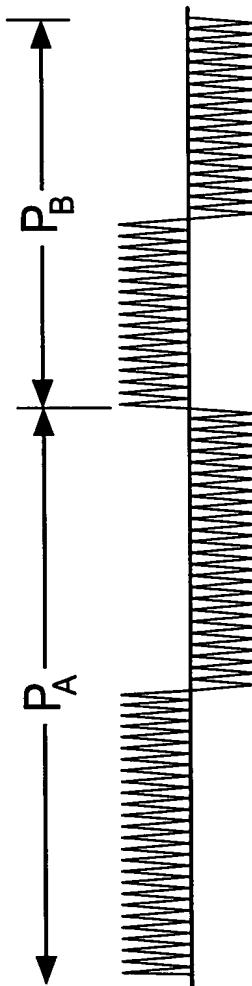


Fig. 8C

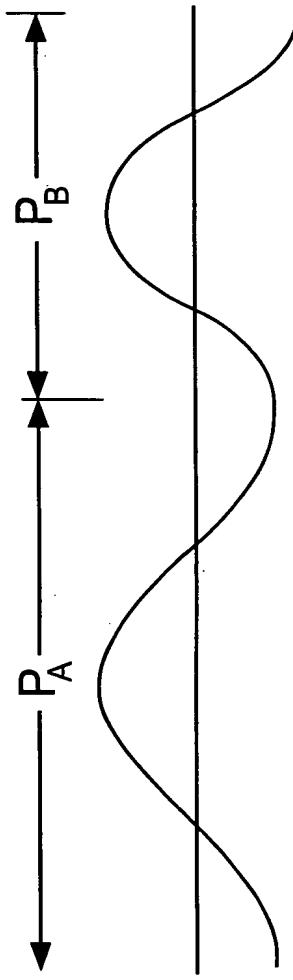


Fig. 8D

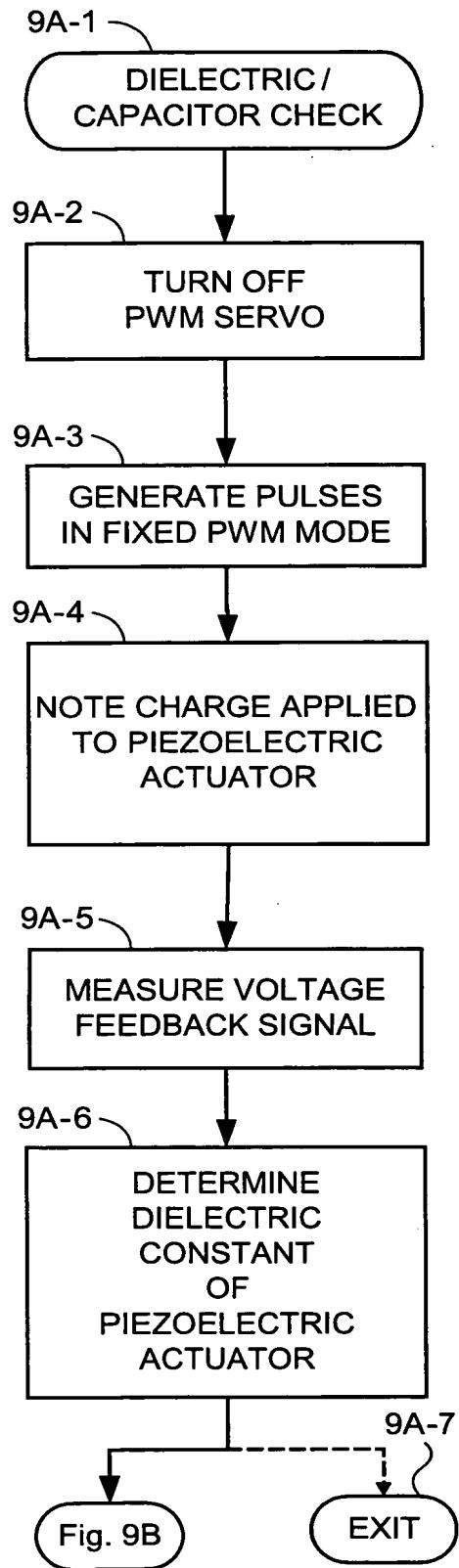


Fig. 9A

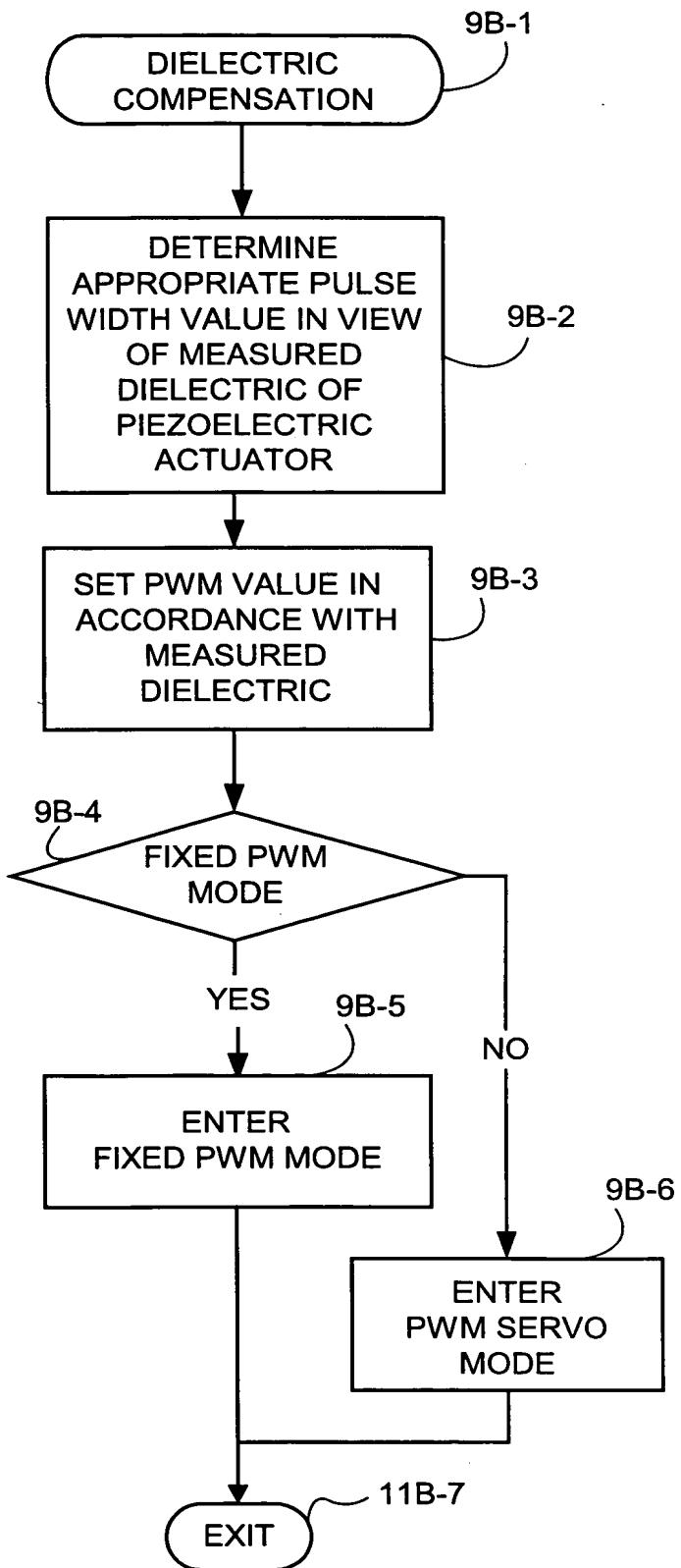


Fig. 9B

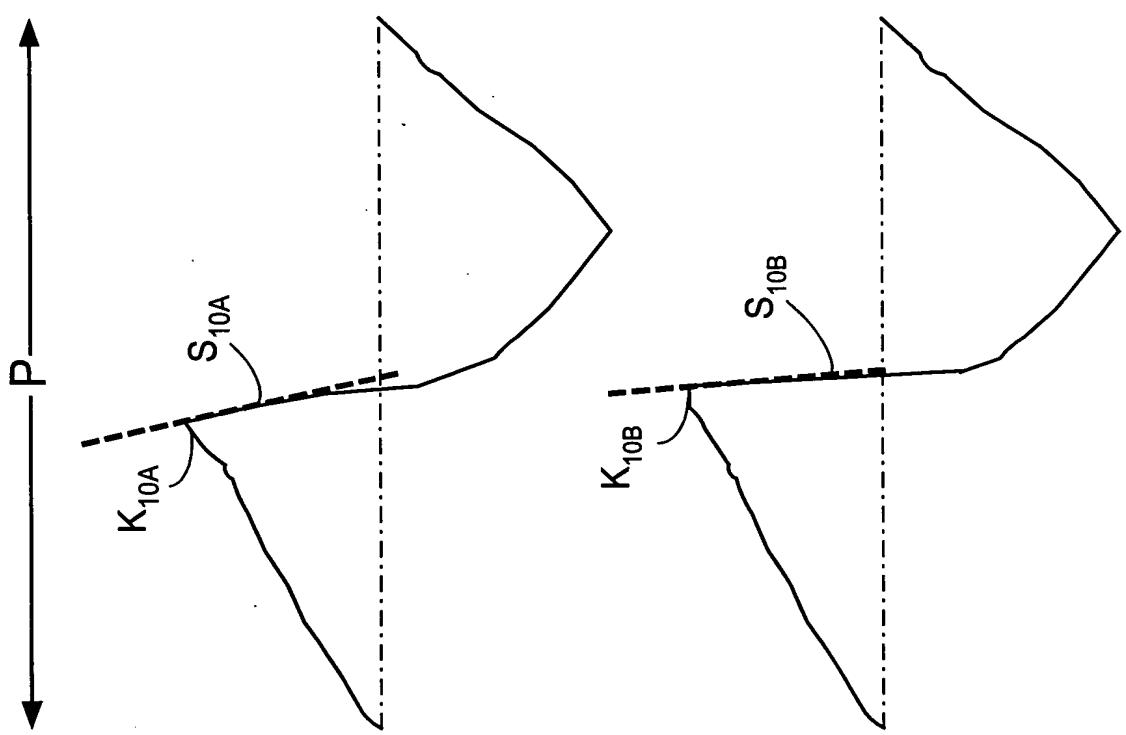


Fig. 10A

Fig. 10B

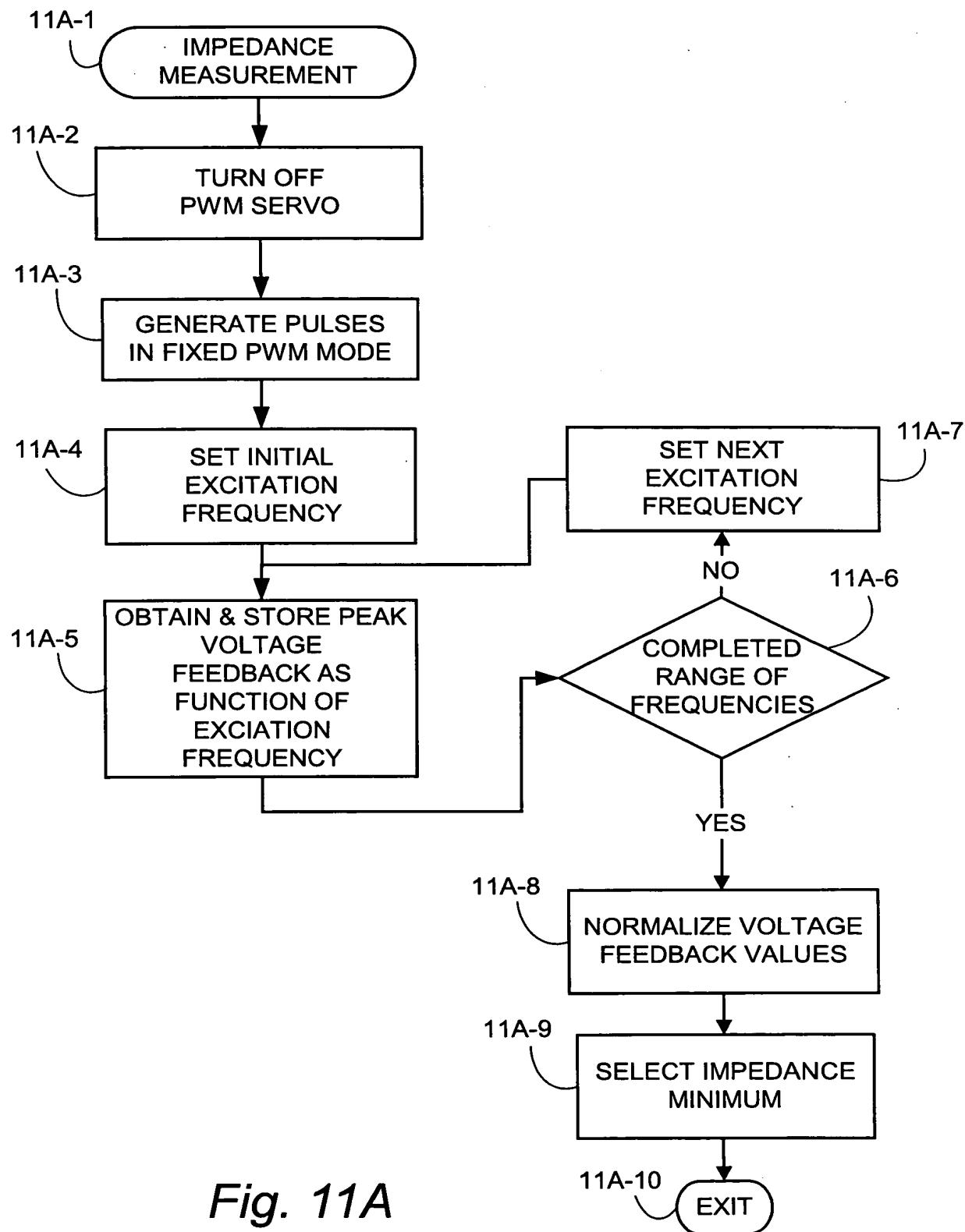


Fig. 11A

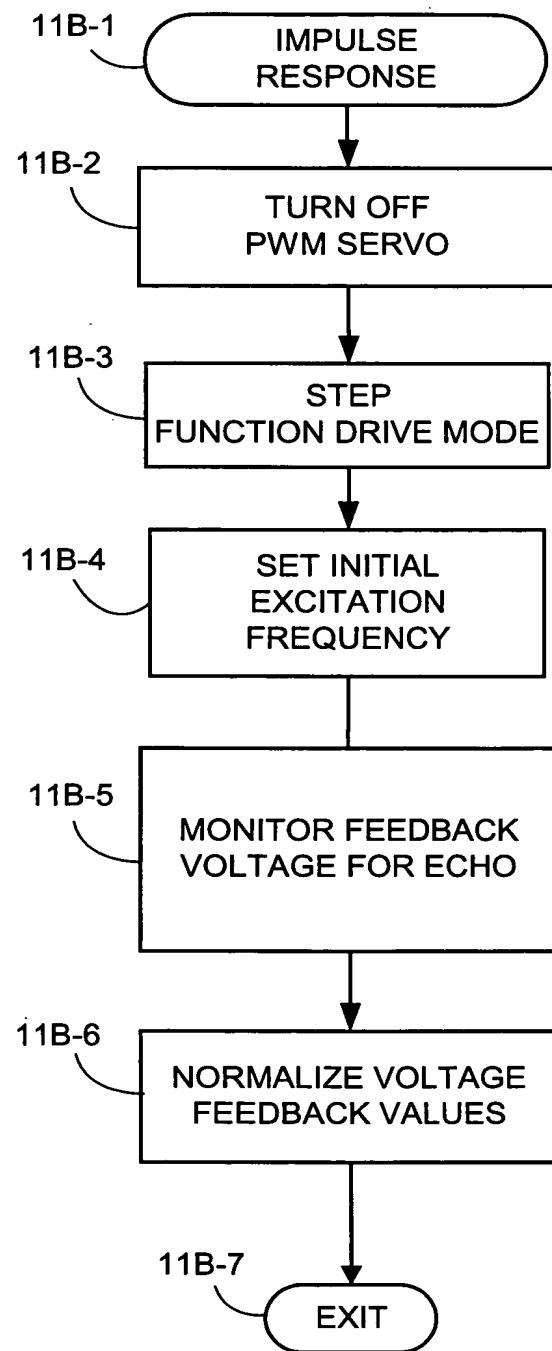


Fig. 11B

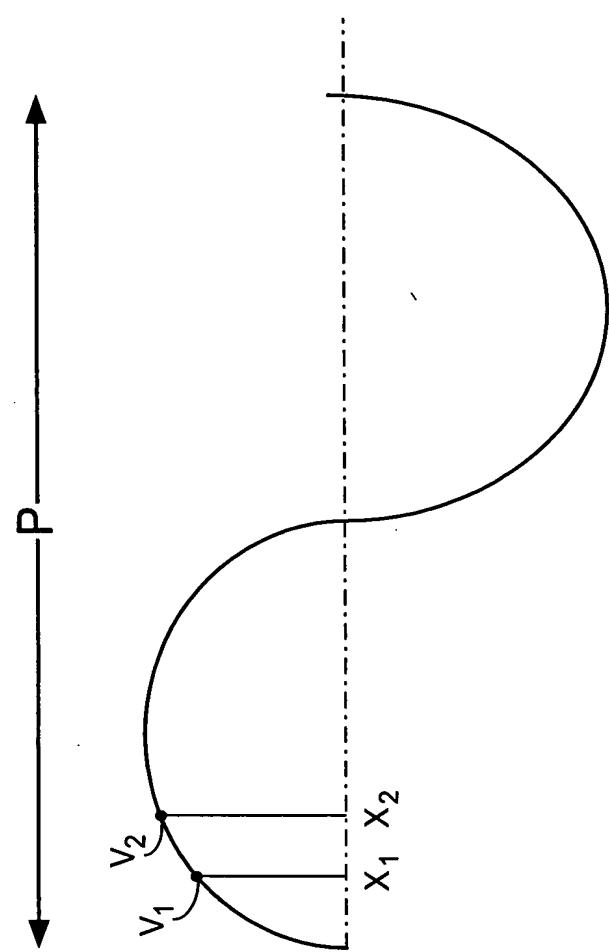
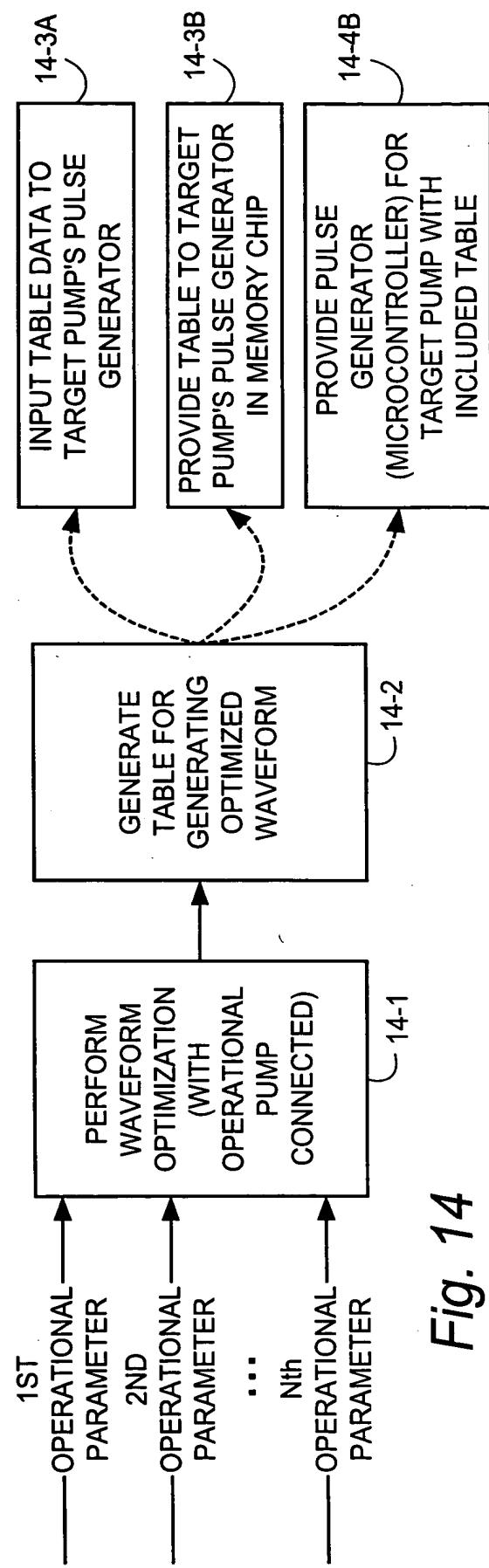
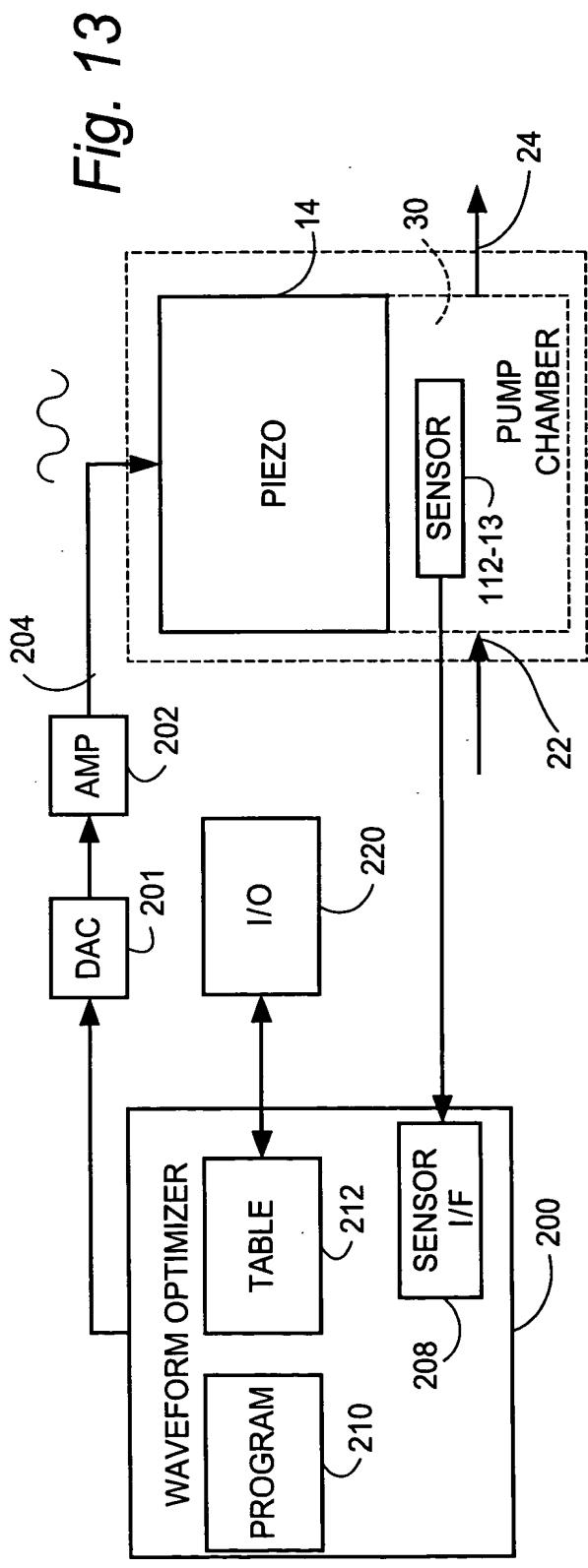


Fig. 12



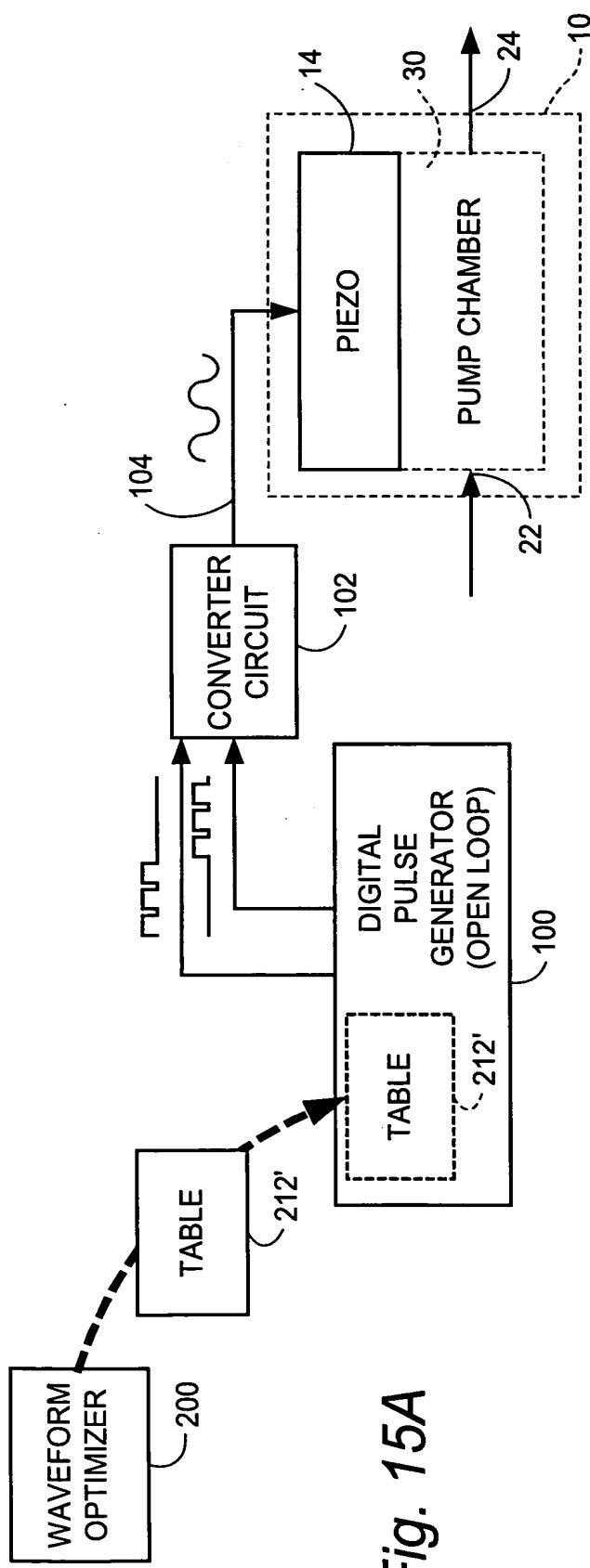


Fig. 15A

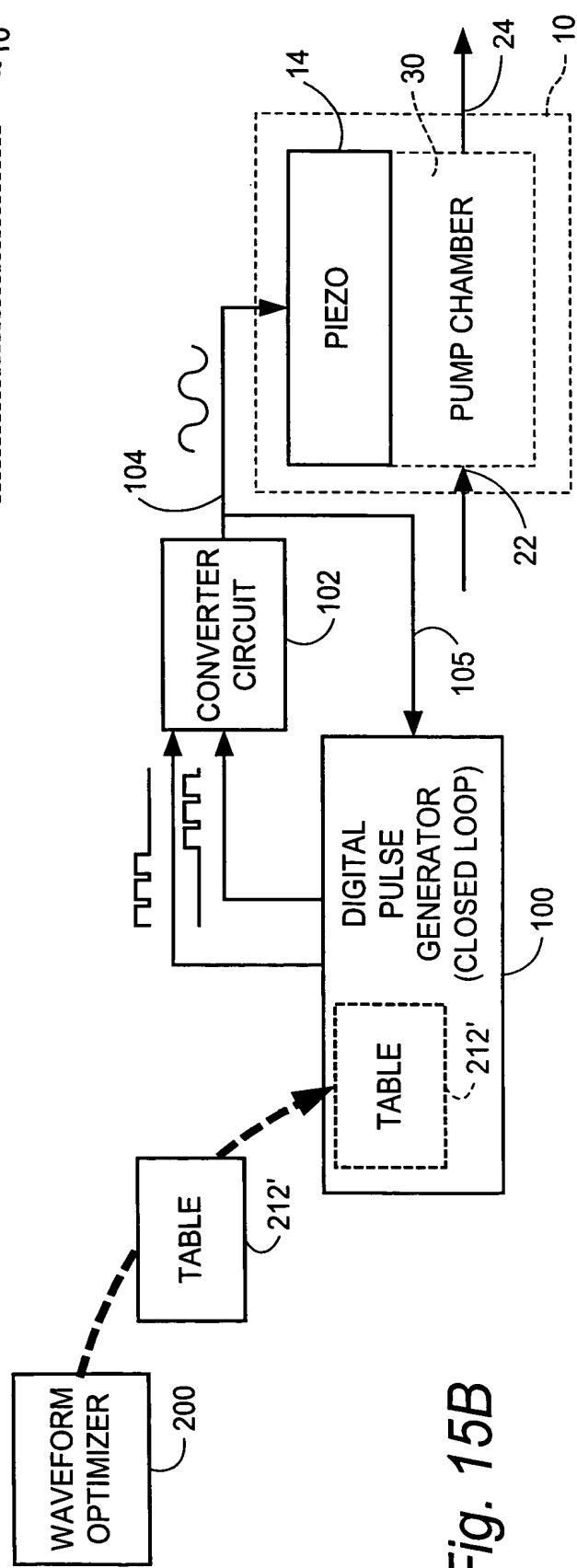
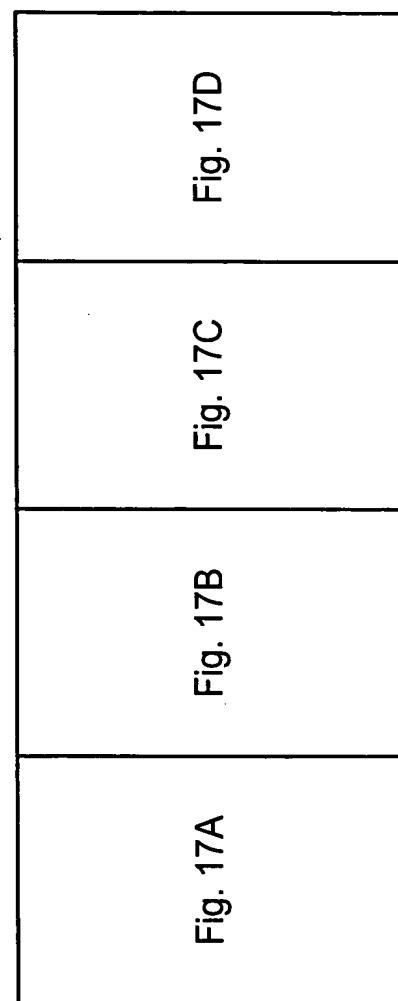
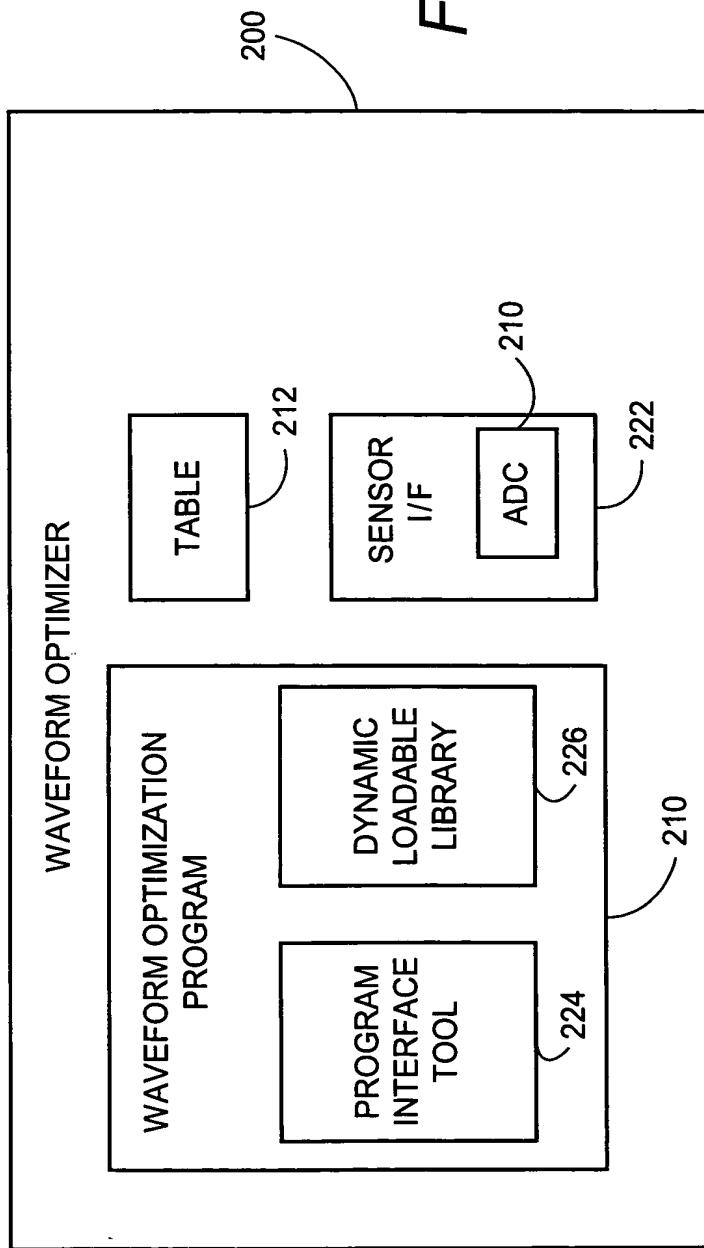


Fig. 15B



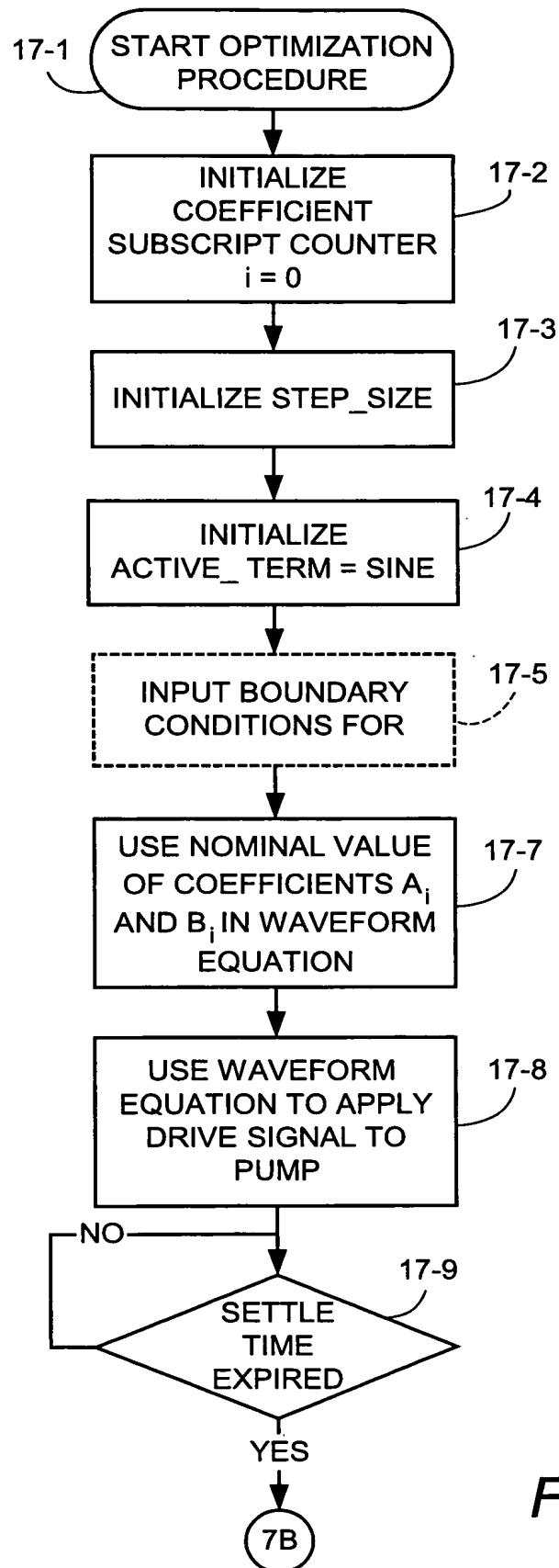


Fig. 17A

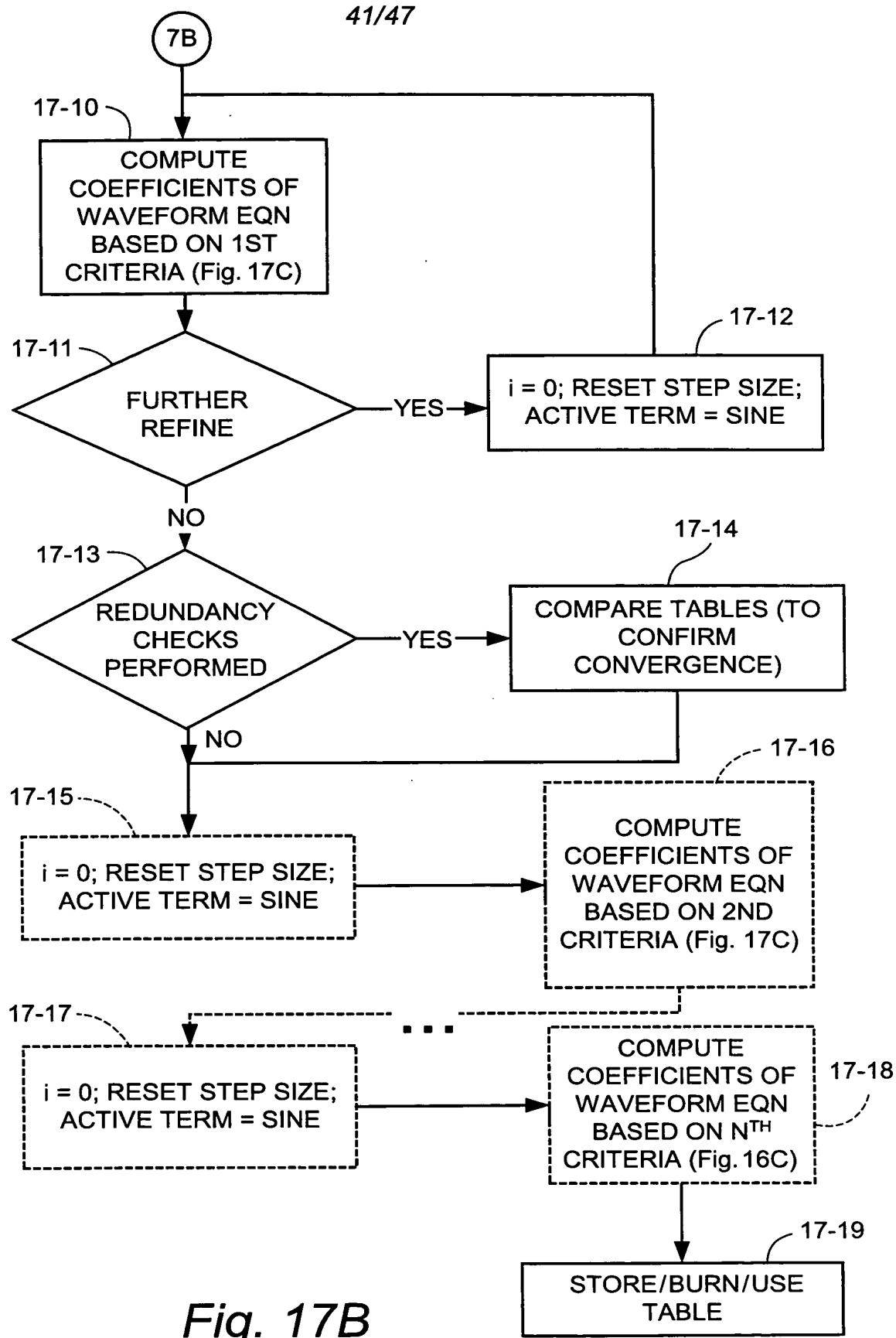
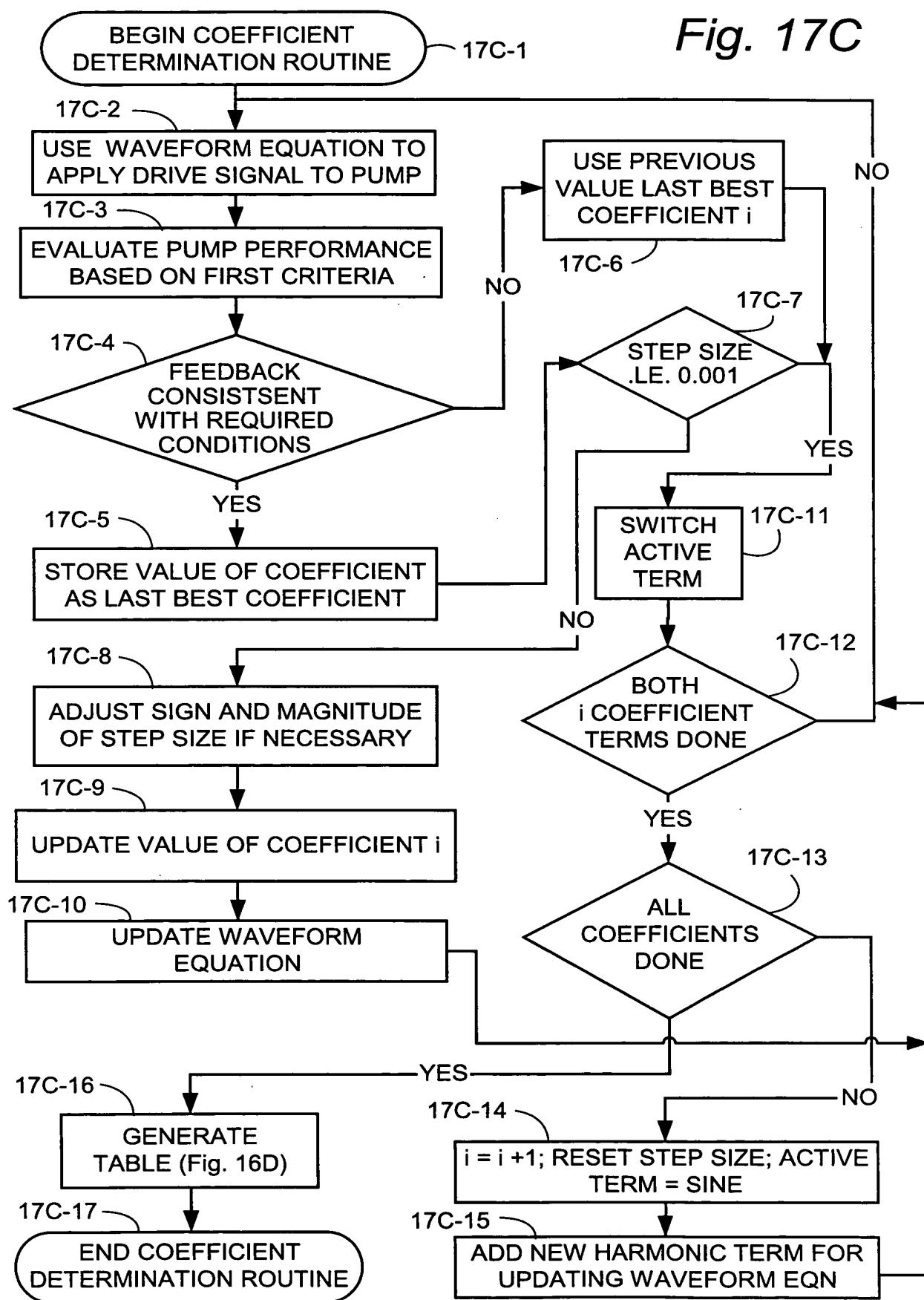
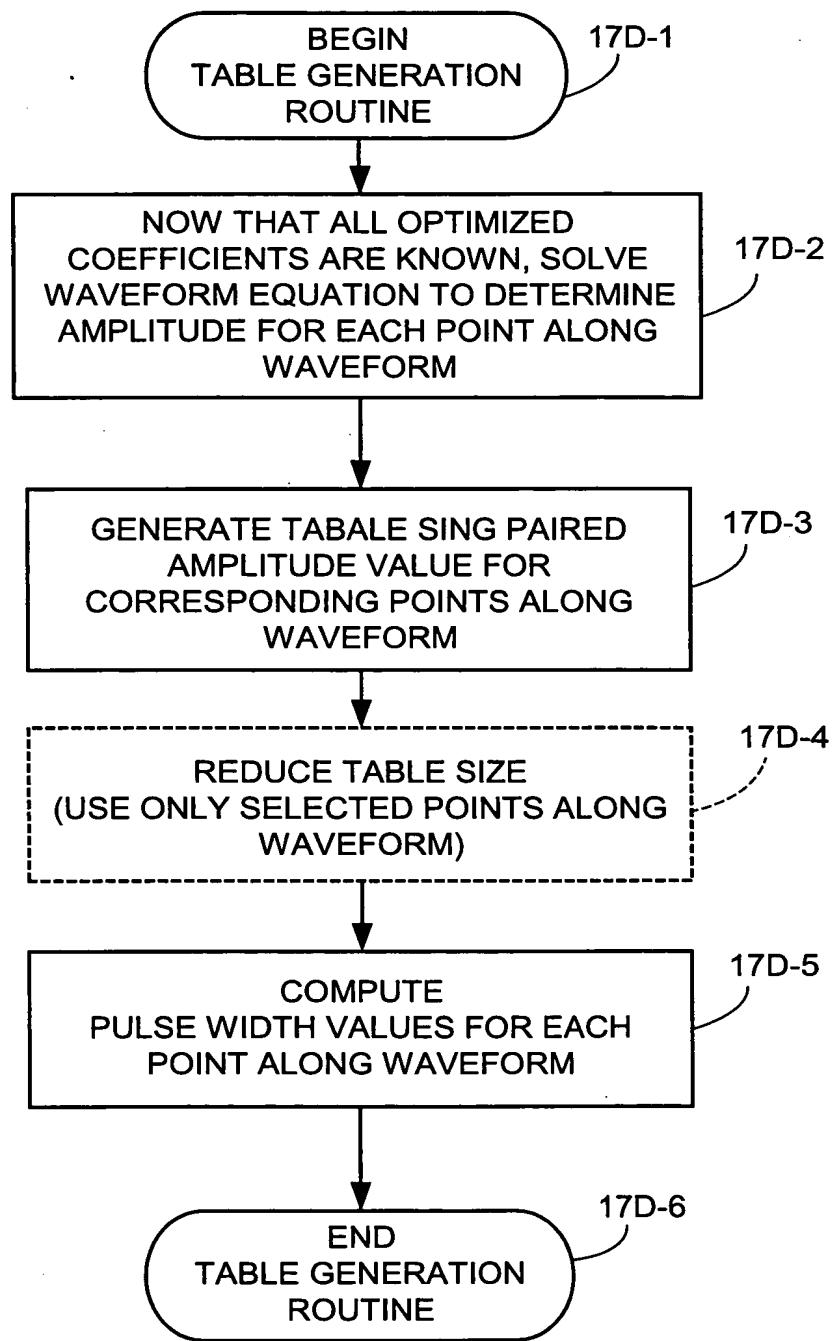


Fig. 17B

Fig. 17C





*Fig. 17D*

Fig. 18A

OPTIMIZED WAVEFORM TABLE	
WAVEFORM POINTS	AMPLITUDE (SOLUTION OF WAVEFORM EQUATION AT POINT)
$X_1$	$V_{X1}$
$X_2$	$V_{X2}$
...	...
$X_J$	$V_{XJ}$

140-18A

Fig. 18B

OPTIMIZED WAVEFORM TABLE		
WAVEFORM POINTS	AMPLITUDE (SOLUTION OF WAVEFORM EQUATION AT POINT)	PULSE WIDTH MODULATION VALUE FOR POINT
$X_1$	$V_{X1}$	$PWM_{X1}$
$X_2$	$V_{X2}$	$PWM_{X2}$
...	...	...
$X_J$	$V_{XJ}$	$PWM_{XJ}$

140-18B

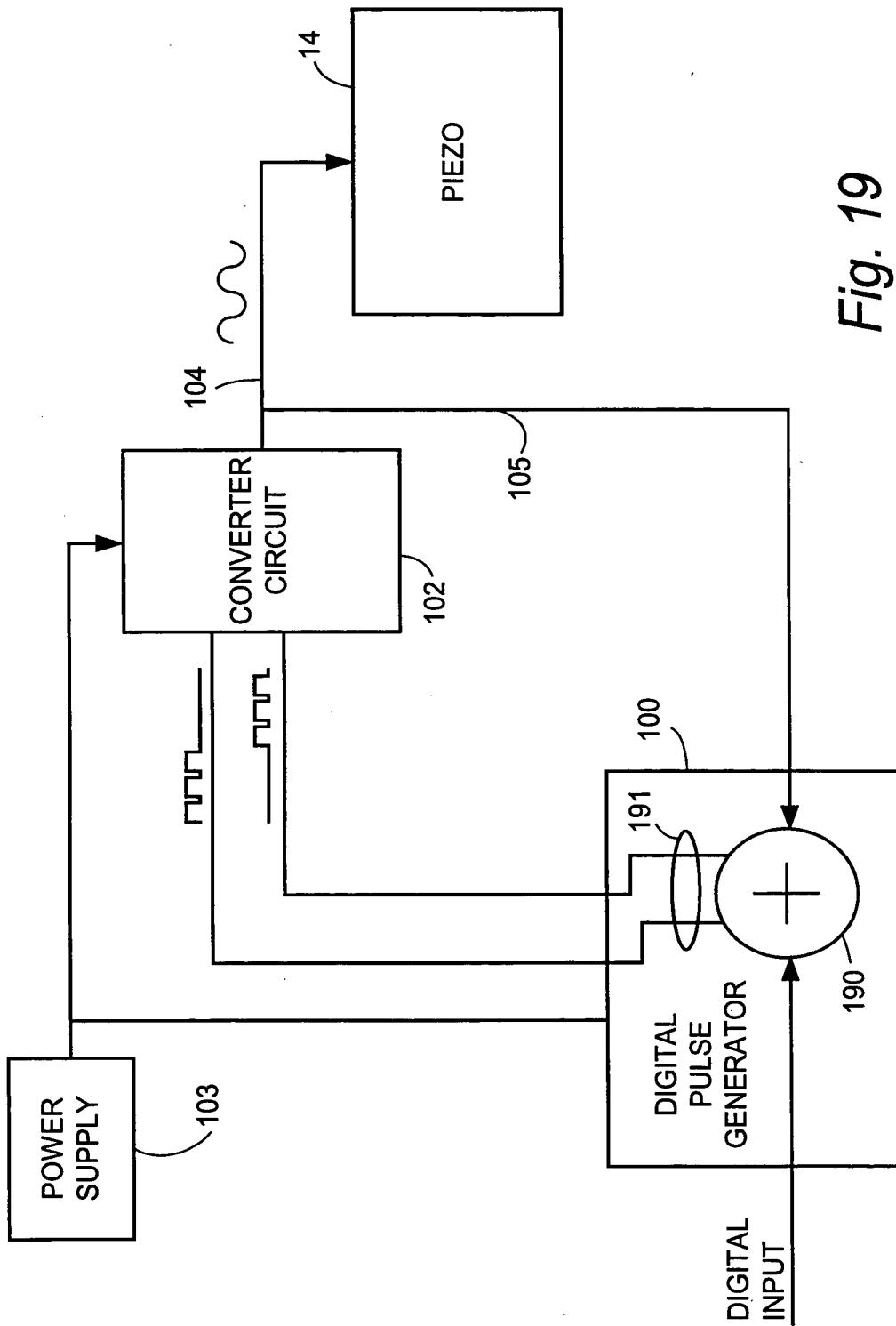


Fig. 19

Fig. 20A

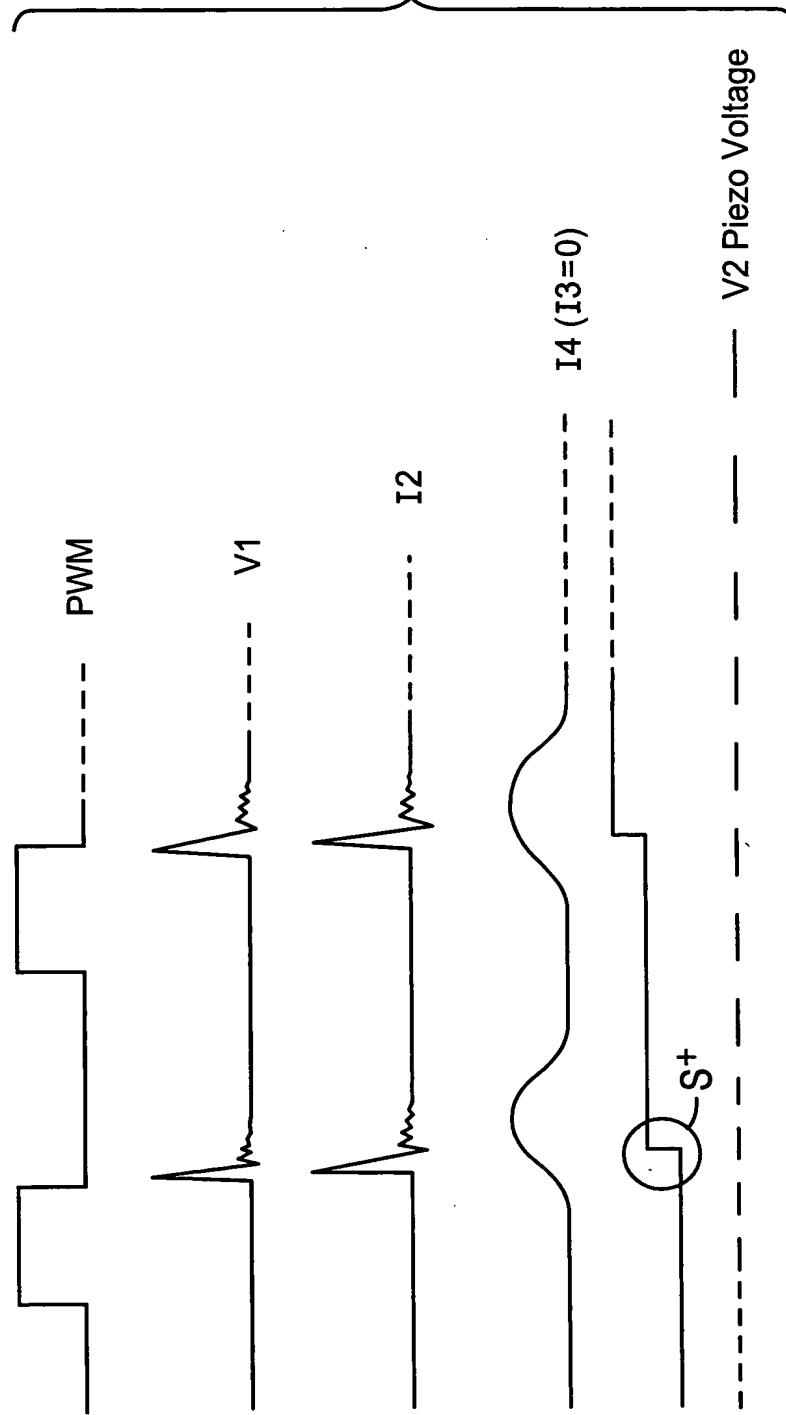


Fig. 20B

